

**From:** Richter, Johann  
**Sent:** Friday, January 27, 2006 9:11 PM  
**To:** Ramirez, Delia  
**Cc:** Chan, Christina; STIC-Biotech/ChemLib  
**Subject:** RE: rush search 09/983025

Approved.

Johann R. Richter, Ph.D., Esq.  
Supervisory Patent Examiner  
Biotechnology and Organic Chemistry  
Art Unit 1621  
571-272-0646

-----Original Message-----

**From:** Ramirez, Delia  
**Sent:** Friday, January 27, 2006 2:30 PM  
**To:** Richter, Johann  
**Cc:** Chan, Christina  
**Subject:** rush search 09/983025

Hi,

I sent this request to Christina Chan but she is out of the Office till next Tuesday. This case is in after final status. Please approve the following INTERFERENCE search:

1. SEQ ID NO:2 in the protein databases
2. residues 234-1791 in the protein databases
3. an oligo search (at least 5 amino acids in length) of residues 234-1791 in the protein databases.

Thank you very much,

Delia M. Ramirez, Ph.D.  
Patent Examiner  
Recombinant Enzymes-Art Unit 1652  
USPTO  
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70  
Alexandria, VA 22314  
(571) 272-0938  
delia.ramirez@uspto.gov

\*\*\*\*\*  
Searcher: Jan  
Searcher Phone: 22504  
Date Searcher Picked up: 1/30/06  
Date completed: 1/31/06  
Searcher Prep Time: 10  
Online Time: 15

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA# ✓  
S/L: \_\_\_\_\_ Oligomer: ✓  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: ✓  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

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GenCore version 5.1.6  
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OM protein - protein search, using SW model

Run on: January 30, 2006, 15:10:52 ; Search time 23.2607 Seconds  
(without alignments)  
5537.617 Million cell updates/sec

Title: US-09-983-025b-2\_COPY\_234\_1791

Perfect score: 8612  
Sequence: 1 SPPESSNONGEGSYREAE.....ADCDLDECTGRDPYAEHQ 1558

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:\*

1: /cgn2\_6/ptodata/1/1aa/5\_COMB.pep:.\*  
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3: /cgn2\_6/ptodata/1/1aa/H\_COMB.pep:.\*  
4: /cgn2\_6/ptodata/1/1aa/PCOMB.COMB.pep:.\*  
5: /cgn2\_6/ptodata/1/1aa/RE\_COMB.pep:.\*  
6: /cgn2\_6/ptodata/1/1aa/Dacfile1.pep:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being pinned, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Query length	DB ID	Description
1	8592	99.8	1791	2	US-09-827-998-3 Sequence 3, Appli
2	8263	95.9	1770	2	US-09-827-998-10 Sequence 10, Appli
3	6126	71.1	1385	2	US-09-827-998-16 Sequence 16, Appli
4	1709	19.8	717	2	US-09-949-016-9436 Sequence 9436, Ap
5	336.5	3.9	3594	2	US-09-911-842A-4 Sequence 4, Appli
6	330.5	3.8	3571	2	US-09-911-842A-2 Sequence 2, Appli
7	287.5	3.3	1847	6	5256642-10 Patent No. 5256642
8	287.5	3.3	1847	6	5472939-10 Patent No. 5472939
9	287.5	3.3	2039	6	5256642-2 Patent No. 5256642
10	287.5	3.3	2039	6	5472939-2 Patent No. 5472939
11	287	3.3	1947	2	US-09-612-314A-52 Sequence 52, Appli
12	287	3.3	1998	2	US-08-126-505A-13 Sequence 13, Appli
13	284	3.3	2489	2	US-09-911-842A-5 Sequence 5, Appli
14	283	3.3	1466	6	5256642-6 Patent No. 5256642
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16	283	3.3	1537	6	5256642-5 Patent No. 5256642
17	283	3.3	1537	6	5472939-5 Patent No. 5472939
18	253.5	2.9	849	2	US-09-949-016-10271 Sequence 10271, A
19	249.5	2.9	1012	2	US-08-126-505A-15 Sequence 15, Appli
20	249	2.9	830	1	US-08-110-158-4 Sequence 4, Appli
21	249	2.9	1033	4	US-09-834-309-1 Sequence 1, Appli
22	243.5	2.8	830	4	PCT-US91-05059-2 Sequence 2, Appli
23	236	2.7	577	1	US-08-435-148-3 Sequence 3, Appli
24	236	2.7	611	2	US-09-475-460A-32 Sequence 32, Appli
25	236	2.7	611	2	US-09-748-061A-32 Patent No. 5378464
26	235.5	2.7	574	6	5378464-3 Patent No. 5378464
27	235	2.7	830	6	5378464-2 Patent No. 5378464

28	230.5	2.7	610	1	US-08-365-470-3 Sequence 3, Appli
29	230.5	2.7	610	2	US-09-209-668-19 Sequence 19, Appli
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31	230.5	2.7	610	2	US-09-949-016-5942 Sequence 5942, Ap
32	230.5	2.7	610	2	US-09-982-262C-90 Sequence 90, Appli
33	230.5	2.7	610	6	5217870-2 Patent No. 5217870
34	230.5	2.7	647	2	US-09-949-016-10272 Sequence 10272, A
35	225	2.6	1394	6	5177197-30 Patent No. 5177197
36	225	2.6	1025	2	US-09-834-309-5 Sequence 5, Appli
37	218.5	2.5	376	2	US-09-844-311-2 Sequence 2, Appli
38	218	2.5	381	2	US-09-014-240-2 Sequence 2, Appli
39	215	2.5	381	2	US-09-844-311-4 Sequence 4, Appli
40	215	2.5	440	2	US-09-014-240-4 Sequence 2, Appli
41	215	2.5	1833	2	US-08-479-722B-2 Sequence 2, Appli
42	211	2.5	1833	2	US-09-592-685-2 Sequence 2, Appli
43	211	2.5	1833	4	PCT-US95-02251-18 Sequence 18, Appli
44	211	2.5	324	1	US-08-310-416A-14 Sequence 14, Appli
45	209.5	2.4			

## ALIGNMENTS

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RESULT 1
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acemica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3
Query Match 99.8%; Score 8592; DB 2; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1555; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
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234 SPPESSNONGEGSYREAEKTNVSGVPLVYSGRRRLRLRPVLAIPREAFVEMV 293
61 KPREGNNPAILIAGVDFCSHTVSDKGWALGIRSGKGRDAPFFSLCTDRVAKATIL 120
294 KPREGNNPAILIAGVDFCSHTVSDKGWALGIRSGKGRDAPFFSLCTDRVAKATIL 353
121 ISHRKYQGTWTHVAATYDGRHMLYYDGTQVASSLDQSGPLNPFMAISCSLLIGDSS 180
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181 EDGNYFRHGLTLYFWSTALPQSHFOHSSQHSQSGBEATDVLTAPEPVTMPPFDE 240
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241 KYPRLEVQGEPEPELISPLQPLCGQTCVDMVELISQNGVWPLGEXKIRYQVNIC 300
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Db 594 DHCPCECHPLTGYDGDGCRLOGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653  
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Db 654 KTCFDPSPKRAYSVKELKALQUNSTHPLNTYFASVREDLAGAATWPDKXAVTHLG 713  
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Db 714 GIVUSPAYYGMGHTDMIHVEGHVGLYHVFVKVSRRESGNDCKETVPSMETGDLCAD 773  
Qy 541 TAPPKSELCEPEPTSDTCGFTFRPGAPFTNYSYTDNCTDFTPNQVAMECYLDLV 600  
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Qy 841 RKFTDVEVTBROMQOYVLAAGELGRASPLNTHIAPYCGSGKVEBERGECDDDL 900  
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RESULT 2  
US-09-827-998-10  
; Sequence 10, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDIMORF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-827-998-10

Query March 95.9%; Score 8263; DB 2; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 SPPESSNONGEGSYREAEFTNSQVGLPIYFSGRERLLPREVLAIEPREAFTVAMV 60  
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QY 1261 VPPALQGLSPWLTCLEBGLMSLPRVYCKLBCDAPPIILNANLLPHCLQDNHVDGTICK 1320  
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QY 1501 E 1501  
Db 1734 E 1734

RESULT 3  
US-09-827-998-16  
; Sequence 16, Application US/09827998

Patent No. 6656700  
GENERAL INFORMATION:  
APPLICANT: Gu, Yizhong  
APPLICANT: Shannon, Mark  
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
FILE REFERENCE: MDIMORF-8  
CURRENT APPLICATION NUMBER: US/09/827,998  
CURRENT FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
NUMBER OF SEQ ID NOS: 1881  
SOFTWARE: Aecomic Sequence Listing Engine  
Patent No. 6656700  
SEQ ID NO 16  
LENGTH: 1385  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-827-998-16

Query Match 71.1%; Score 6126; DB 2; Length 1385;  
Best Local Similarity 73.6%; Pred. No. 0; Indels 406; Gaps 1;  
Matches 1147; Conservative 0; Mismatches 5

QY 1 SPPESSNONGEGSYREAEFTNSQVGLPILYFSGRERILLRPEVLAETPREAFTVEAMV 60  
Db 234 SPPESSNONGEGSYREAEFTNSQVGLPILYFSGRERILLRPEVLAETPREAFTVEAMV 293  
QY 61 KPBGQNNPAILIAGVFNDCSHITVSDKMGALGIRSGDKGKADARFPSLCTDRVKAATIL 120  
Db 294 KPBGQNNPAILIAGVFNDCSHITVSDKMGALGIRSGDKGKADARFPSLCTDRVKAATIL 306  
QY 121 ISHERYQGTWTHAATYDGRHMLLYVDGTQVASSLDQGPLNSPFMASCSRLILGGDS 180  
Db 307 ----- 306  
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QY 481 GIVLSPATYGNPAGHTDTMIHEVGHVGLVHPKGVSEBSCNDPCKETVPSMETGLCAD 540  
Db 308 GIVLSPATYGNPAGHTDTMIHEVGHVGLVHPKGVSEBSCNDPCKETVPSMETGLCAD 540  
QY 541 TAPPKSELCHREPTSDTCGTRPPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV 600  
Db 368 TAPPKSELCHREPTSDTCGTRPPGAPFTNYSYTDNCTDNFTPNQVARMHCYLDLV 427  
QY 601 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASSGLGACTEDGTFRQY 660  
Db 428 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASSGLGACTEDGTFRQY 487  
QY 661 VHTASSRRVCDSSGVTWPEBAVGPDPVQPCPSIQANSPEVHLVHMNTVPCPTGEGSL 720  
Db 488 VHTASSRRVCDSSGVTWPEBAVGPDPVQPCPSIQANSPEVHLVHMNTVPCPTGEGSL 547

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QY 721 ELLEHONPVQADTLTLMWTSFEMESSQVLFDTREILLNENKSVHGLDFTCDPLITIKLAV 780
Db 548 ELLEHONPVQADTLTLMWTSFEMESSQVLFDTREILLNENKSVHGLDFTCDPLITIKLAV 607
QY 781 DGKYSGVVYTFDRIEIDALLTSQPHSPICSGCRPVRYOVLRDPPASGLPVVYTHSH 840
Db 608 DGKYSGVVYTFDRIEIDALLTSQPHSPICSGCRPVRYOVLRDPPASGLPVVYTHSH 667
QY 841 RKFTDVEVTPEQMTQYOVLAAGGELGASPLNHIHGAIPYCGDGKXSERLGEBCDDGL 900
Db 668 RKFTDVEVTPEQMTQYOVLAAGGELGASPLNHIHGAIPYCGDGKXSERLGEBCDDGL 727
QY 901 VSGGGSCVCELEGGFNCVGBPSLCYMEGGDICEPFRKTSIYDCGITYPKGYLDQAT 960
Db 728 VSGGGSCVCELEGGFNCVGBPSLCYMEGGDICEPFRKTSIYDCGITYPKGYLDQAT 787
QY 961 RAYSHEDKCCPSLVYGEPSHSLICTSYHPLDPMHRPLTGMFPCVASENETODDRSHQ 1020
Db 788 RAYSHEDKCCPSLVYGEPSHSLIRTSYHPLDPMHRPLTGMFPCVASENETODDRSHQ 847
QY 1021 EGSLLKDEDEWMLKYCFNRPGEARAIFIFLTTDGLVGEHQPTVTLVYLDVRSNHSIGT 1080
Db 848 EGSLLKDEDEWMLKYCFNRPGEARAIFIFLTTDGLVGEHQPTVTLVYLDVRSNHSIGT 907
QY 1081 YGLSCONHPLINTHONVLFHTTSTYLLNNESSPRVGSIVALRTSRIGLSAPNSCIS 1140
Db 908 YGLSCONHPLINTHONVLFHTTSTYLLNNESSPRVGSIVALRTSRIGLSAPNSCIS 967
QY 1141 EDEGQNHQSGSCIRPCGKODSCPSILLDHADVNCSTSIGGLMKCAITCGRGALQASS 1200
Db 968 EDEGQNHQSGSCIRPCGKODSCPSILLDHADVNCSTSIGGLMKCAITCGRGALQASS 1027
QY 1201 GQYIRPQKEILLTCSGSHMDQVNSCLPVDGVPDPSLVNYANFSCSEGTFFLKRCSISC 1260
Db 1028 GQYIRPQKEILLTCSGSHMDQVNSCLPVDGVPDPSLVNYANFSCSEGTFFLKRCSISC 1087
QY 1261 VPRPKLQGLSPWLTCLBEGMSLPEVYCKLECDAPPIILNANLLPHCLDNHNVGTICK 1320
Db 1088 VPRPKLQGLSPWLTCLBEGMSLPEVYCKLECDAPPIILNANLLPHCLDNHNVGTICK 1147
QY 1321 YECKRGYVVASAGKVRNKLKIQCLEGGIMEGSCIPVVCBPPPVFEGMEYECTNGFS 1380
Db 1148 YECKRGYVVASAGKVRNKLKIQCLEGGIMEGSCIPVVCBPPPVFEGMEYECTNGFS 1207
QY 1381 LDSQCVLNCQEREKLPILCTKEGLMTQEFKLCENLQGECPRPSELSNVEYKCEQYGI 1440
Db 1208 LDSQCVLNCQEREKLPILCTKEGLMTQEFKLCENLQGECPRPSELSNVEYKCEQYGI 1267
QY 1441 GAVCSPLCVIPSPDPMLENITADTLEHMMEPYKVOISIVCTGRQWHPDVLVHCTOSC 1500
Db 1268 GAVCSPLCVIPSPDPMLENITADTLEHMMEPYKVOISIVCTGRQWHPDVLVHCTOSC 1327
QY 1501 EPPQADGWCDTINNRAYCHYDGGCCSSTLSKVIIPPAODCDLDECTCRDPKAEQ 1558
Db 1328 EPPQADGWCDTINNRAYCHYDGGCCSSTLSKVIIPPAODCDLDECTCRDPKAEQ 1385

RESULT 4
US-09-949-016-9436
; Sequence 9436, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 9436
; LENGTH: 717
; TYPE: PRF
; ORGANISM: Human
US-09-949-016-9436

Query Match      19.8%; Score 1709, DB 2; Length 717;
Best Local Similarity 43.0%; Pred. No. 2,2e-139;
Matches 310; Conservative 140; Mismatches 237; Indels 34; Gaps 14;

QY 851 GQMYOVYVLAAGGELGASPLNHIHGAIPYCGDGKXSERLGEBCDDGLVSGGSCAVC 910
Db 6 GSYVQYVWYITISGTESESPAVYTIHSGSGCGGIIQKQGEQCDMMNKIINGGSCSLFC 65
QY 911 ELEGGFNCVGBPSLCYMEGGDICEPFRKTSIYDCGITYPKGYLDQATRAYSHEDK 970
Db 66 ROEVSFNCIDBPSCTYHDDGVCBEFEKTSIYDCGITYPKGYLDQATRAYSHEDK-Q 124
QY 971 KCPVSLVYGEPSHSLICTSYHPLDPMHRPLTGMFPCVASENETODDRSBOEGSLKDE 1029
Db 125 QCPGWIITIGPAAISOVCRTKVIDLSEGISQAHMAYPTISYPSQ-----LAQTT 173
QY 1030 VMLKVCNRPGEARAIIFLTTDGLVGEHQPTVTLVYLDVRSNHSIGTGLSCQHP 1089
Db 174 FMLRAYPSQPMVAAYVHLVTTDGTYYGDKQKFTISVQLDTKQSHDLGLHVLSCRNP 233
QY 1090 LIINVTNHNVLPHHTTSTYLLNNESSPRVGSIVALRTSRIGLSAPNSCISEDEGQNHQ 1149
Db 234 LIIPVAVDLSPFYHSAVAVRSFSPVLAISGVLRFPDNDPPTLSSC-QRGETYSAP 292
QY 1150 QSCIRPCGKODSCPSILLDHADVNCSTI---GPGIMKCAITCGRGALQASSGQYIR 1205
Db 293 QSCVHFACEKTD-CPELAVENA-YLNCSSSDRYHG---AQCTVSCRGYVLIQIRRDDELI 347
QY 1206 PMQ--KEILLTCSGSHMDQVNSCLPVDGVPDPSLVNYANFSCSEGTFFLKRCSISCVP 1263
Db 348 KSQGTSPVTVYCTGKNNKQVACBPVDCSIPDHQVYAASFCEGTFFSGCSFQCKRP 407
QY 1264 AKLQGLSPWLTCLBEGMSLPEVYCKLECDAPPIILNANLLPHCLDNHNVGTICKYEC 1323
Db 408 AOLKGNNSLITCMEDGLMSPEALCELMCLAPRPVPAADLOTACRKNKHYGFCYK 467
QY 1324 KPGYVVASAGKVRNKLKIQCLEGGIMEGSCIPVVCBPPPVFEGMEYECTNGFSIDS 1383
Db 468 KPGYHVPGSSR-KSKQCAFQKQCTODGSMQGACVPTCDPBPFPKFLGLYQCTNGFQFNS 526
QY 1384 QCVLNC-----NQEREKLPILCTKEGLMTQEFKLCENLQGECPRPSELSN-VEYKCEQ 1437
Db 527 ECRKICBDSDSQGLGNSVHCRDGTWNGSFHVCOEMQGC-SVPELSNLLKQCPDG 585
QY 1438 YGIGAVCSPLCVIPSPDPMLENITADTLEHMMEPYKVOISIVCTGRQWHPDVLVHCTOSC 1497
Db 586 YAISSCATSGLDHNSIILIPMNVYTRDIPHMLNPRVERVYCTAGLKWPHHALLHCV 645
QY 1498 QSCPPQADGWCDTINNRAYCHYDGGCCSSTLSKVIIPPAODCDLDECTCRDPKAE 1556
Db 646 KGCEPFMGDNVCAIINRAFCNVYDGGCCSTVTKKVTTPPMSCDLQGDACADPDQOR 705
QY 1557 N 1557
Db 706 H 706

RESULT 5
US-09-911-842A-4
; Sequence 4, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
```

FILE REFERENCE: 01017/37592  
 CURRENT APPLICATION NUMBER: US/09/911,842A  
 CURRENT FILING DATE: 2001-07-24  
 PRIOR APPLICATION NUMBER: US 60/222,438  
 PRIOR FILING DATE: 2000-08-01  
 NUMBER OF SEQ ID NOS: 7  
 SOFTWARE: Patent version 3.0  
 SEQ ID NO 4  
 LENGTH: 3594  
 TYPE: PRT  
 ORGANISM: Mus musculus  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1757)...()  
 OTHER INFORMATION: Xaa = any or unknown amino acid  
 US-09-911-842A-4

Query Match 3.9%; Score 336.5; DB 2; Length 3594;  
 Best Local Similarity 19.2%; Pred. No. 96-19;  
 Matches 343; Conservative 189; Mismatches 626; Indels 629; Gaps 99;

QY 53 AFTVAVKRECGGNPAIIAGVF-----DNCSTVSDKGMALGIRSGDKGRDARFFPS 108  
 DB 1476 AVTCAFMKSSDVINYGTPISTALBDDKNTPLTDYNGWVLYV--NGKKE----- 1524  
 QY 109 LCTDRKATILISHRYOQGTWVAATYD--GRHMALYVD-----GTQVASSLDQ 158  
 DB 1525 -----ITNCPVNDGIMHIALITWISIGAMRYIDGELSDGTGSLKALP 1573  
 QY 159 SGPLSPFMASCRSLILGDSSEBDGTYFR-----GHGLTVFWSTAL--PQSHFQHSQH 211  
 DB 1574 GG-----ALVLGQEDQKGEFNPASFVGSISQILMDYLVLSPPQVKLLAS-- 1620  
 QY 212 SSGERATDVLITAFEPNTEWVPRDEKYPRLV-----LQGEPEPELIS 259  
 DB 1621 SCPEELSGKNVLA-----WPDFLGITGKVKVDSSSMFCSDCPLESGVPHLRPAS 1671  
 QY 260 PLQPLLCQTV---CD-NVELIS---QY---NGYM--PLRGEKVRVGVNLCDEGLNP 307  
 DB 1672 GNRKR--GSKVSLFCDDPGQWGNVQVCLNGQWTPPLPHERR-----C---GLRP 1720  
 QY 308 IV---SSEQIRLQHEALNAFNRV-----NISWOLSHOVHNSLTNRHRYVL 350  
 DB 1721 ALENGFYAEDFHAAGSTVYQCTSGYLLGDSRMFCXDNGSNW----- 1763  
 QY 351 VNCSESKIGNDHCDCEHPLTGYDGCRLQRCYSNMRBDGLCHVENNMLANPDDSD 410  
 DB 1764 -GISPSCLDVBCAV-----GSDCSEHASCLANTN--GSYVCSNPPTYG--DEKN 1808  
 QY 411 CCDDQVADVAKTCPPDPSKRAYMSVKELKALQINSTHFLNIYFASVREDLAAGA--- 467  
 DB 1809 CAEP-----VCKAPENPENRKS-----GEITYYGTGTA---VTRSCDEGHILVGVSTT 1854  
 QY 468 ---TWPMDC---DAVTHLAGIVLSPAYYGNPGHTDTHIEVGHVLAGLVHFKGVSS-- 516  
 DB 1855 CLETEMEMRLRPSCAIS--CGVPVPEBGVDSGAFYGSKV-----VYRCDKGYTLGG 1907  
 QY 517 -ERESCNDPCKETVSMETGDCADTAPTPKSELCHREPTSD---TCGFTRFPGAPPT 571  
 DB 1908 DEESAC-----LASGS--WSHSSPYCGLVKCSQPEDINNGKXIIISGLT----- 1948  
 QY 572 NMSSTDNCTDNFTPNQVARMHCYLDLYVOOMTSRKRPTPIPIPMVIGQ--TNKSLTI 629  
 DB 1949 -YLSIASISCENGVSLQPSLLECTASGMDRAPSCQVSGCEPPIVDAVITGSNFTF 2007  
 QY 630 HMLPPIGTVYDRAAGSLGACTEDGTFRQYVHTASRRVCDSSGTYTPEE---AVG-- 683  
 DB 2008 -----GNTVAYTCKEG---YTLAGPDTIICQANGKMSNHCCLAVSCD 2048  
 QY 684 -PPVDYQCEPSLQAMSPRVHLVHMAMTVPCETEGSLELLQHPQADTLTLMWTSFPM 742  
 DB 2049 BPPNVDA-----SPET-----AHRFGDT-----AFYYC 2073

QY 743 BSSQVLPFTLEILNKESVHLGP-----LDTFCDIPLTIKLVHDKGVSGVKV----- 789  
 DB 2074 ADGYSLADNSQLICNAQGNWVPAGAVPRCIAHCEKPSVSYSLBSVAKPAAGSV 2133  
 QY 790 -----YTPDERLEIDAALLTSPHSLPGCGCPVRYQVLRDPP--FASGIP----- 833  
 DB 2134 VSPKMEGPEVLNLSAKICLNGEWSFSPVLCCLPVR---CGEPPISTINGPSGTNYSF 2190  
 QY 834 -VVVTHSHRKFTDVEVTPGQWY---QYQVLAAGSELGEASPPPLNHI--HGAPYCGDK 886  
 DB 2191 GAVVAVSCHKG-----YIGKEKKSCTEALGQMSKPRTPCHAPVSCNRPVYENGF 2240  
 QY 887 VSERIGB-----ECDGDLVSD-----GCKF----- 908  
 DB 2241 LEHTTGRTFSEARFQCPNPGYLAAGPVFVCCANRHMHSADAPLCTPLNCGKRPYONGF 2300  
 QY 909 -----VCELEBEGNCGEPSLCTMYTGDDGICEPFEKRTSIDGITYPKQY 954  
 DB 2301 LKGSFVEVSKVQFVC--NEGIELVDNSWTCQSGKMSKRP---SPKCVPTKCABPPL 2355  
 QY 955 LDQMATRAYSHHEDKKCPVSLVT---GEPHSLICTSYHPLDPLNHRPLTGMP-----C 1005  
 DB 2356 ENQVLVKELABE-----VGMITISCKEGHALQSPVLKCLPSCQ--WMSFPICKMVLVC 2407  
 QY 1006 VASENETODDSEQEGSLKKEDEVMLKVCENRPEBADAIFI---FLTTDGLVPEHQ 1060  
 DB 2408 -----PSPPL-----IPFGVPASSGALHFGSTVKYLCVDGFF--LRG 2442  
 QY 1061 OPTVTLVLTDRGSHSLGTGLSCGNHPLIIN--VTHQNVLFHHTTSLVNLNFSRPRVI 1119  
 DB 2443 SPTI-LQADSTWSSPLPECVPECPPEBEILNGIHHQVLAIVSLTYLTKRPFELVG- 2500  
 QY 1120 SAVAL--RTSRIG---LSAPNCISBEGONHO-----GO----- 1150  
 DB 2501 NATTLGNGOMLQAKPMCKPIECPEPKKILNGQSSVSFOYQQTITTCDBGRFLBGRK 2560  
 QY 1151 -SCIRPOGKODSCPSLLDHDVNVCTSIGP---GLMKCA-----ITCGRGFAL 1196  
 DB 2561 SLTGLE--TGWDMDP---PSCDAIHCSDDPPIENGFEAGADYRGMATIVSCPFQGV 2614  
 QY 1197 QASSGQYRPMQKELLTCCSGHW--DQVNSCLPVCQVPD----- 1235  
 DB 2615 LGHAMQ-----TCESGSSSPCTCPIDCGAPPHIDFGDCTKVRDQGHFDE 2663  
 QY 1236 -----PSLVNANFSCSEGTFL--KRCSICVPRPAKIQSLPMLT 1274  
 DB 2664 DDMMEVPIPLAHQHLBATKALENTKESPAASHFLVGTWVSYSCEBETELGT--PVL 2722  
 QY 1275 CLEDLWLSLPEVYC--KLECDAPPIILNANLLPHCLQDNHDVGTI CKYECKGYVAESA 1333  
 DB 2723 QGEDTWMGTAPSGCISIECDLPVAPENGFL--HFTQRT--WGSAAQVSCRGHILBESH 2777  
 QY 1334 BGVNKLKLTQCLEGGIWEQSS--CIPVCEPPEPPVPEG-----MYECIN 1377  
 DB 2778 -----LRL-CLONKQM--SGTVRCRAISQCSKPNPLMNGSIKDDYSYLGVLYYECS 2827  
 QY 1378 GFSLDSQCVLNCNORERKLPILCTKGLWTFQFKCENIQGECPPPESLN----- 1428  
 DB 2828 GTIILNGSKKRTQENRD-----WDGHEPNC--IPVDCGSPVPVTRNRYVGEERT 2874  
 QY 1429 ---SVEYKCEQGY-----GIGAVCSPL--CVIPSPDPVMLPENITADTL 1467  
 DB 2875 PQKEITYCRBGFILBAGARSRLCLTNGMSWGTAPSCMFPRCAPAPQV-----NGVADCL 2929  
 QY 1468 E-----HMEPVKQVS---IYCTGRQWHPVPLVHCIOQSCER 1502  
 DB 2930 DYGFKEVAFHCLBGLVYLOGAPRLTQSNGTMDAE-----VPVCP 2970

RESULT 6  
 US-09-911-842A-2  
 ; Sequence 2, Application US/09911842A  
 ; Patent No. 6656707

; GENERAL INFORMATION:  
 ; APPLICANT: Amgen Inc  
 ; TITLE OF INVENTION: C3B/C4b COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF  
 ; FILE REFERENCE: 01017/37552  
 ; CURRENT APPLICATION NUMBER: US/09/911, 842A  
 ; CURRENT FILING DATE: 2001-07-24  
 ; PRIOR APPLICATION NUMBER: US 60/222,438  
 ; PRIOR FILING DATE: 2000-08-01  
 ; NUMBER OF SEQ ID NOS: 7  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 2  
 ; LENGTH: 3571  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-911-842A-2  
  
 Query Match 3.8%; Score 330.5; DB 2; Length 3571;  
 Best Local Similarity 19.9%; Pred.No. 3e-18;  
 Matches 353; Conservative 207; Mismatches 612; Indels 603; Gaps 106;  
  
 QY 53 APTAEAWYKPEEGQNNPAILIAGVPNGSHT--VSD-KGALGIRSGDKRKRARRPFS 108  
 DB 1450 ALTCTFMWKSDDNNYGPPIISAVDNGSDNTLLTLDYNGWLYLV-NGREK----- 1498  
 QY 109 LCTDRVKKATLIIHSRYQPGTWTWTAATYDGRH--MALYDGTQVASSLSIQSGPLNSPF 166  
 DB 1499 -----ITNCPSVNDGRMHIALITWSANIKMYIYDGLSDGAGLSGLPLP- 1546  
 QY 167 MASCSLLLGDDSDSEDEGHYFR-----GHLTGVFWSTAL-PQSHFOHSSGHSGBEAT 219  
 DB 1547 --GGGALVTGGEQDKKGSGFSPASBFSVGSISQNLMDVYLSPO--QVKSLSATSCPELS 1601  
 QY 220 DLVLTASPEPNTETVPR-----DEK-----YPRL-----EVLQ----- 249  
 DB 1602 KGNVLA-----WPDLGIVGKVKIDSKSIFCSDCPRLGSGVPHLRTASBDLKQGSK 1653  
 QY 250 -----GF-----EPEP---ELISPLQPL-----CGQTV- 270  
 DB 1654 VNLFCDDPGQLVGNPNVQYCLNAGQMTQPLPHCERISGVPPLENGFHSADDFAGSTVT 1713  
 QY 271 --CDNVELISQYNGYWRPLRGEKVTIRYQVNICDDEGLNPVISEEQIRLOHEBALNEASRY 328  
 DB 1714 YQCN-----NGYLLIGDSRM-----PCTDNGSNNGVSPCLDVBECAGVSDCSEH 1758  
 QY 329 NISWOLSYHQVHNSTLRHRVVLVNCSEPKIGN-DHC-DP-ECE--HPLTYDGDCHLQ 382  
 DB 1759 -----ASCILNDGSS-----YICSCVPRYTGGKAKCAPIKCKAPGNEMSHSGEYITV 1807  
 QY 383 G-----RCYSNMNRBDGLCHVEC-----NMNLNPDDBDDCCDPQADVRKTCPPDPSKR 431  
 DB 1808 GAEVTFSCQEGYQLMGVTKITCTLESGEWNHL-----PYCKAA--SCGKRAIPEN 1855  
 QY 432 AYSVYKELEKALQLNSTHFLNIYFASVREBDLAGAATPMDKDAVTHLGIVLSPAYYGM 491  
 DB 1856 G--CIEELAFITFGSKVTRYRCKNGKGYTLADCKSSCLANSWMSHP-----VCSEPVKSS 1907  
 QY 492 PGHTDTMTHVGHVGLGLHYVFKGVSERSSCNDPCKEITVPSEMETGLCADTA-----P 543  
 DB 1908 PENINN-----GKY-ILSGLTLYLSTASYS-C-DTGYSLQSPSIIICTSAGIMDRAP 1956  
 QY 544 TPKSRLCHREPTSDTC-----GFTFPQAPFTNNMSYTDNDCTNFTNQVAAAHGTYDL 599  
 DB 1957 ACHLVFCEBPRAIKAVITGNFT-----FENVTYTV--CKSEYTLAAGDTIECLAD- 2006  
 QY 600 VYQGWTSERK--PTPIPIPMVIGQTKSLITIHVLPISGVVYDRAAGSLGCACTEDGT 656  
 DB 2007 --GKMSRBDQCLTASCDSEPIIVDASPE--TAH-----KLFGLDAIFYCSDG- 2050  
 QY 657 FRQYVHTASRRVCDSSGYTWPDEEAVGPPD--VDOPCE--PSLQAWSPEVHLYHNMNTVPC 713  
 DB 2051 ---YSLADNSQLCLNAGKMWVPEEGQMDPRCIAHFCERKPSVY-----YSI----- 2093  
 QY 714 PTEGGSLELFRHPVQADTLITMTVSFMESQVLPTEILLE-----NKSEVHLGRL 766

[illegible]

RESULT 7  
5256642-10  
; Patent No. 5256642  
; APPLICANT: PEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG  
; MINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F., IP, STEPHEN



RESULT 8  
5472939-10  
; Patent No. 5472939  
; APPLICANT: PARON, DOUGLAS T.; KLOCKSTEIN, LLOYD B.; WONG,  
; WINNIE W.; GANSON, GERALD R.; CONCINO, MICHAEL F.; ITT, STEPHEN  
; H.; MAKRIDIS, SAVVAS; MARSH, HENRY C. JR.  
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT  
; MEDIATED DISORDERS  
; NUMBER OF SEQUENCES: 30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/138,825  
; FILING DATE: 19-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 588, 128  
; FILING DATE: 24-SEP-1990  
; APPLICATION NUMBER: 412,745  
; FILING DATE: 26-SEP-1989  
; APPLICATION NUMBER: 332,865  
; FILING DATE: 03-APR-1989  
; APPLICATION NUMBER: 176,532  
; FILING DATE: 01-APR-1988  
; SEQ ID NO:10:  
; LENGTH: 2006  
5472939-10

Query Match 3.3%; Score 287.5; DB 6; Length 1847;  
Best Local Similarity 19.1%; Pred. No. 5,6e-15;  
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;

221 LVTTAFSEPVNT-EWVP-----RDE-----KYPRLVLOGEPEBELSLPQPL- 265  
39 LALFVANGQCAAPMLPAPRPTNLTDEEFPITGYLNECPRGYSPFISICKNSYWT 98  
266 -----CGQTVCDN-----VELISQVNGWPLRGKVI 292  
99 GAKRCRRKSGRNPDPVNGVNHVIGIQFGSQIKYCTKGYRLIGSSATCIISGDVI 158  
293 RYGVNVCID-DEGLNPVSEEQIRLQHEALNEAF---SRYNISWQLSVHQVHNSLHR 347  
159 WDNETPICDRIPGCLPPIIT-----NGDFISNRNENHY-----GS 194  
348 VLVNCEPSKIGND-----HCDPECHPLTGYDG---DCLQGRCYSMNRDGL 394  
195 VVTRYCNPGSGRKVFELVGBPSIYCTSDNQ--VGWSGAPQCIIIPNKCTPPNVEGI 252  
395 CHVECNMM--LNDPDDGDC-----C-----DPOVADVKTCTDPPSPRAY 433  
253 LVSDNRSLFSLNVEVBFRCQPVFWKGRRAVYCOALNKMREBELPSCSRVCCPPDVLHA- 311  
434 MSVVELKEALQLNSTHF---LNIYFASVREDLAGAATW-----PMDKDAVT----- 477  
312 -----ERTORDKNFSPQGEVIFYSCPGYDLRGAASMRCTPGQDMAPAPTECVASCD 364  
478 -----HLGGIVLSPAYYGMPGHTDTMHEVGVLG--LYHVFKG-----VSERE 519  
365 DFMGQLLNGRYLFPVNLQLAGKVDVFCDEGQLKSSASVYCLAGMESLWMSVAVCBQI 424  
520 SCNDPCKETVPS-METG-----DLCAD----- 540  
425 FC--PSPPVPIPNGRHTGKPLEVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPOGN 482  
541 ---TAPPKSEL---CREPE-----PTSDTCGFTFRP---GAPPTNMS 575  
483 GWSSSPAPRCGILGHCOAPDHFPLPAKLTQTNASDFPIGTSLKYECPREYIGRRPS----- 538  
576 YTDNCTDNF---TENOVARMHCVLIDLVIYQWTSRKPTPIPIPMV----- 619  
539 ---ITCLDNLVWSSPKOVCK-----RKSKCTPPDPVNGMVHVITDIQVSRIN 583  
620 -----TQTNKSLTI-----HW-LPPI-----SGVYYDAASGSLCACTEDGTFR 658

584 YSCITGRLIGHSAECLISGNAAMSTKPIICORIPCGLPPTIANGDFI-----STNR 637  
659 QYVHTAS--SRRVCDSSGYWTPEAVGPPDV-----DQCEBSLQAMS--PEVHLVHNM 709  
638 ENFHYGSVVTYTRCNPGSGRKVFELVGBPSIYCTSDNQ-----VGISGAPQCIIIPNK 692  
710 TVPPTGCSLELLFQHPVADTLTLMTVSFPMSSQVLPDTETLLR---NKSEVHIGPL 766  
693 CTPEPNEV-----NGLVSDNLSLSLNEVBFRCQPGFVMKGR 731  
767 DTFCDIPLTIKLHVDAKVGKVTYTPDERIEIDALLTSQHPSPICSG-CRPVRYQVLRD 825  
732 RVKCO-----ALKMREBELPSCSRVCO----- 754  
826 PPFASGLPVVYVTHSRKFTDVE-VTPQOMYQOYLAAGSEL-GEAS---PPLNHITGA 879  
755 -----PPDVLHAERTORDKNFSPQGEVIFY--CBPGYDLRGAASMRCTPGQDMAPAA 805  
880 PYCG-----DGK---VSERLGEE---CDDGDLVSGDGS----- 907  
806 PTECVKSCDDFMGQLLNGRYLFPVNLQLAGKVDVFCDEGQLKSSASVYCLAGMESLWN 865  
908 ---KYCE-----LE-----EGFNCVGEPSL-C 925  
866 SSVPVCEQICPSPPVLPNGRHGKPLEVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRC 925  
926 YM-YEGDGI-----CE-----PERRTSIYDCGIY-----PKGY- 954  
926 TSDPGNGWSSPAPRCGILGHCOAPDHFPLPAKLTQTNASDFPISLKYECRPEYIGR 985  
955 -----LDQWATRAYSHED---KKKC--PVSUVTGERPHSLI-----CTSVHPD 992  
986 PFSITCLD---NLWVSSPKOVCKRKSCTKPPDPVNGVNHVITDIQVSRINYSCTTG-R 1041  
993 LPNHR-----PLTGWFPCC---VASENETQDREOEGSLKEDEV 1030  
1042 LIGHSABECLISGNTAMSTKPIICORIPGCLPPTIANGDFISNRNENHYGSV----- 1095  
1031 WLKVCNRPGEARAIF-----IFLTTDG-----LVPEHQOQPTV--LYL 1068  
1096 -VTRYCNLGRGRKVFELVGBPSIYCTSDNQVIGSGAPQCIIIPNKCTPPNVEGI 1154  
1069 TDVARGSHSL-----GTYGLSCQ-----HNPLINVTHTQNLVH 1103  
1155 SD-----NRSLSFSLNEVVDFFRCQPGFVWKGRRVYCOALNKMREBELPSCSRVCCPPDVLHA- 1210  
1104 ---HTTSVTLNPPSPRVGISAVALRTSSRIGLSAPNSCISEBQNGHOGSCIRHPCGQ- 1160  
1211 GERTPSHODNFS-----GQEVYSC---EPGYDLRGAASLH---CTPG 1249  
1161 -----DSCPSLL--LDHADVYNCTSIGGLMKCAITCQGFALQASSGOYLRPM 1207  
1250 DMSPEARCAVKSDDDFLQGLPHGRVLPPLNLQAG-AKVSFVCEGFRLLKSSVSH----- 1304  
1208 QKEILLTCSSGHWQONS-CLPVDGCVDPDSLVVYANFSGSEG-TKFLKRSISCV- 1262  
1305 ---CVLWMSLWMSVAVCBQIPEPMP-PAILNGRHTGTPSGGIPGKEISYTCDDPPD 1360  
1263 ---PAKIQGLSPWLTCLD---GLMSLPEVYCYL-----ECDAPIILNANLLPCLQ 1310  
1361 RGMTFNLIGEST-IRCTSDPHNGVWSSPAPRCGLSTRAGCHKTBPQPPSPITP--IN 1417  
1418 DFEFPVGTSLNTECRPGYF-----GGMFISICLENLWMSVSDNCRKSCGPPPE 1467  
1368 VFBGM-----YECTNGESL---DSQVLANCQERBKPIILCTKSGLWTOE 1409  
1468 PFMGMVHINTDYGSTVWNSCNEGFRLLGSPITCLVSGNNV-----TWDK 1515  
1410 FKLCENLQGECPPESELNS-----VEYKCEOGYG----- 1439  
1516 APICEII--SCBPPITISNGDFISNRTSFRANGVIVTYQCHTGTGDSQLPELVGBRSTYC 1573

Qy 1440 -----IGAVCSP-----LCVLP-SDPVMLENIT-----ADTLEHMER-----VKY 1476  
Db 1574 TSKDQVGVWSSPPRCISTNKCTAPEVENALRVGNRFFSLTEIRRCQGFVWVGS 1633  
Qy 1477 OSIVCTGRKQHPDPVLYHCIOCSCEP 1502  
Db 1634 HTVQCQTNGRW--GPRCLPHCSRVCP 1657

RESULT 9  
5256642-2  
Patent No. 5256642  
APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN  
H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.  
TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT  
RECEPTOR 1 (CRL) AND A THROMBOLYTIC AGENT, AND THE METHODS OF  
USE THEREOF  
NUMBER OF SEQUENCES: 30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/568,128  
FILING DATE: 24-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 412,745  
FILING DATE: 26-SEP-1989  
APPLICATION NUMBER: 332,865  
FILING DATE: 03-APR-1989  
APPLICATION NUMBER: 176,532  
FILING DATE: 01-APR-1988  
SEQ ID NO: 2  
LENGTH: 2039

Query Match 3.3%; Score 287.5; DB 6; Length 2039;  
Best Local Similarity 19.1%; Pred. No. 6.6e-15;  
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;

Qy 221 LVLTASFEPVNT-EMVPF-----RDE-----KYRLLEVLOGFEPPELISLPPL-- 265  
Db 34 LALPAMQCNAPMLPAPRPNLTDBEPFPIGTILANTECRPGYSGRPSIICLNKSVWT 93  
Qy 266 -----CGQTVCDN-----VELISQYNGVPLRGEKY 292  
Db 94 GAKORCRKSKCNRPDPVNGMVHVIKGIFGSGIKYSCTKRGLIGSSATGIIISGDYVI 153  
Qy 293 RYQVNVNCD--DEGLNPVSEQIRLOHEALNEAF--SRVNISSQLSVHOVHNSTLNR 347  
Db 154 WDNETPDCRIPCGLPPTIT-----NGDFISTRENPHY-----GS 189  
Qy 348 VLVNVCESKIGND-----HCDPECEHPLGYDGG--DRLQGRCVSMRRDGL 394  
Db 190 VVTRCNFGSGGRKVFELVGEPSIYCTSNDDQ--VGMSGPAPQCIIPNKCTPPVENGI 247  
Qy 395 CHEVCNNM--LNDPDDGC-----C-----DPQADVKTCEPDSPKRAY 433  
Db 248 LVSDNRSLFSLNEVVEFRQPVFWKGRPRVQCQALNKMPELPGSCSRVQCPDPVLA- 306  
Qy 434 MSVVELKEALQLNSTHF--LNIYASSVREDIAGAATW-----PMDKAVT----- 477  
Db 307 -----ERTORDKONFSPQGEVFPYSCBPGYDLRGAASMRCTPQGDMSBPAPTCEVKS 359  
Qy 478 -----HLGGIVLSPAYGMHGTDMIHVEGVHVLG--LYHYFKG-----VSRE 519  
Db 360 DPMGQLNGRVLFPNLQGAKVDFVCDGFGQLKSSASAYCVLAGMESLWSSVEVCEOI 419  
Qy 520 SCNDPCKEETVS-METG-----DLCAD----- 540  
Db 420 FC--PSPVPIVPGRTGKPLLEVFPFGKAVNTCDHPDRGTSFDLIGSTIRCTSDPQGN 477  
Qy 541 ---TAPTKSEL--CREBE-----PTSDTCGFFRFP--GAPTTNWS 575  
Db 478 GWSSPAPRCGLIGHQAPDHLFAKLXTQTNASDFPIGTSLKYECREPEYVGRPPS----- 533

Qy 576 YTDNCTDNF--TENQVARMHCYLDLVYQWTESRKPTPIPPVW----- 619  
Db 534 ---ITCLNMLWSSPKVDCK-----RKSCKTPDPVNGMVHVTIDIOGSRIN 578  
Qy 620 -----IGQTKSLTI-----HW--LPPI-----SGVYDRASSGICGACTEDGTR 658  
Db 579 YSCITGHRLIGHSSACILISGNAAMSTKPIQRIPCGLPPTIANGPFI-----STNR 632  
Qy 659 QVYHTAS--SRVCCSGVWTPPEBAVGPDV-----DQPCPSIQAMS-PEVHLVHMM 709  
Db 633 ENFHVGSVYTRCNPGSGRKFELVGEPSIYCTSNDDQ-----VGMSGPAPQCIIPNK 687  
Qy 710 TVPCPTEGCSLELLFQHVVQADTLTLMYTSFEMSSQVLFDEILLE--NRESYHAGPL 766  
Db 688 CTRPVE-----NGLVSDNRSLFSLNEVVEFRQGFVWVWVGR 726  
Qy 767 DTFCDIPLTLKLVNDGVKGVKVTYFDRIRIIDAALLTSQPSPLCSG-CREPVYQVLRD 825  
Db 727 RVKQ-----ALNKMPELPGSCSRVCP----- 749  
Qy 826 PPPASGLPVYVTHSHRKTQVY-VTRGMQYQVLAAGEL-GEAS-----PRLNHIGA 879  
Db 750 -----PPDVLAERTORDKONFSPQGEVFTS--CEBPGYDLRGAASMRCTPQGDMSPA 800  
Qy 880 PYCG-----DGK-----VSERLGE--CDDGDLVSGDGS----- 907  
Db 801 PTCBVKSCDDPMGQLNGRVLEFPVNLQGAKVDFVCDGFGQLKSSASAYCVLAGMESLWN 860  
Qy 908 ---KYCE-----LE-----BGFNCVGEPSL-C 925  
Db 861 SSVPCEQIFCPSPVIPNGRHTGKPLVFPFGKAVNTCDHPDRGTSFDLIGSTIRC 920  
Qy 926 YM-YEGDGI-----CE-----PEFKTSIYDCGITY--PKGY-- 954  
Db 921 TSDPQGNVWSSPAPRCGILGHQAPDHLFAKLXTQTNASDFPIGTSLKYECREPEYVGR 980  
Qy 955 -----LPMATRAVSHED--KKKC--PVSILVGBPHSLI-----CTSYPD 992  
Db 981 PESTICLD--NLWSSPKDCKRKSCTPPDPVNGMVHVTIDIOGSRINSCITGH-R 1036  
Qy 993 LPNHR-----PLTGWFPCC-----VASENTODRSBQBSLKEDEV 1030  
Db 1037 LIGHSACILISGNTAHMSTKPIQRIPCGLPPTIANGFISTRENPHYGSV----- 1090  
Qy 1031 WLKVCPRNPGERAPF-----IFLITDG-----LVGHEQPTV--LYL 1068  
Db 1091 -VYTRCNLSRGRKFELVGEPSIYCTSNDDQVGMSGPAPQCIIPNKCTPPVENGI 1149  
Qy 1069 TDVRGNSHSL-----GTVGLSCQ-----HNPLIINTVTHQNVLEH 1103  
Db 1150 SD-----NRLSLNEVDFRCQPGFVWVWVGRPRVQCQALNKMPELPGSCSRVQCPPEL 1205  
Qy 1104 --HTTSLVLANFSSPRVIGSAVALRTSRIGLSAPNSCISEGQNHQOSCIHRPCGQ- 1160  
Db 1206 GEHTSPHQDNFSP-----GQEVFVSC--ERGYDLRGAASLH--CTPQG 1244  
Qy 1161 -----DSCPSL--LDHADVUNCTSIGRLMCAITTCQGFALQASSGQYIRPM 1207  
Db 1245 DMSPEAPRCAYVSCDDFPGQLPHGRLVPLNLQIGL-AFVSVFCBGFRLKSSVSH----- 1299  
Qy 1208 QKELLTQSSGHMDQNS-CLPVDGVPDPISLVNANFSSGEG-TKFLKRGSGICVP-- 1262  
Db 1300 ---CVLVKMSLWSSVVECHIFCPNP-PAILNGRHTGTSGDIPYGEKISYTCDDPHD 1355  
Qy 1263 ---PAKLGSLPWLCTLED--GLMSLPEVYCKL-----BCDAPITIANLPLPHCLO 1310  
Db 1366 RGMFTNLIGEST-IRCTSDPHNGVWSSPAPRCGLSVAGCKTBECPFASPFP--IN 1412  
Qy 1311 D-NHDVGTICKYECRPGYVVAESAAGKVRANKLKIQCIEGATW--QSSCTPVCVEPPPP 1367  
Db 1413 DFEFPVGTSLYBECRPGYF-----GKMFISCIENLWSSVEBDCRKRKSGPPPE 1462

QY 1368 VPEGM-----YECTNGFSU-----DSQCULNCNOERKELPILCTKEGTLWTOE 1409  
Db 1463 PFMGMVHINTDTQGSTVNVYSCNGBFRLIGSPSTTCLVSGNNV-----TWMDK 1510  
QY 1410 FKLCEMIOGCEPPPESELNS-----VEYKEQGYG----- 1439  
Db 1511 APICEIIL--SCEPPTISNGPFYSNNKTSFNGVIVTYQCHTGTGDEQLFELVGERSTYC 1568  
QY 1440 -----IGAVCSP-----LCVILPP-SDPVLMPENIT-----ADTLEHMMEP-----VKV 1476  
Db 1569 TSKDOGVGWSMSPPRCISTKCTAPAEVENAIRVGNRSPSLTEIIRFCQDPGFVMVGS 1628  
QY 1477 QSTVCTGRQWHPDPVLVHCIOGCEP 1502  
Db 1629 HTVQCOTNGRW--GPKLPKCSRVCP 1652  
  
RESULT 10  
5472939-2  
; Patent No. 5472939  
; APPLICANT: PEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
; MINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN  
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.  
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT  
; MEDIATED DISORDERS  
; NUMBER OF SEQUENCES: 30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/138, 825  
; FILING DATE: 19-OCT-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 588, 128  
; FILING DATE: 24-SEP-1990  
; APPLICATION NUMBER: 412, 745  
; FILING DATE: 26-SEP-1989  
; APPLICATION NUMBER: 332, 865  
; FILING DATE: 03-APR-1989  
; APPLICATION NUMBER: 176, 532  
; FILING DATE: 01-APR-1988  
; SEQ ID NO: 2:  
; LENGTH: 2039  
5472939-2  
  
Query Match 3.3%; Score 287.5; DB 6; Length 2039;  
Best Local Similarity 19.1%; Pred. No. 6.6e-15;  
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;  
  
QY 221 LVTLASREPVLT--RWVP-----RDE-----KYPRLVLOQGEPEBELISPLQPL-- 265  
Db 34 LALFVAGQCCAPLEWLPAPRPTNLTDPEFPITGYLNEYCRPGYSGRPFSTICLKNSTVT 93  
QY 266 -----CGQTVCDN-----VELISQYNGYMPJRGKVI 292  
Db 94 GAKDRCKRKSCKRNPDPVNGMVHVIKGIQFSGQIKYCTKGRYRLIGSSASACIISGDIYI 153  
QY 293 RYQVAVNICD--DEGLNPIVSEEQIRLOHEALNEAF--SRYNISMQSLVHOVHNSLTLRHR 347  
Db 154 WDNETPICDRIPCGILPPTIT-----NGDFISTNRENFHY-----GS 189  
QY 348 VVLVNCERPSKIGND-----HCDPECEHPLTGYDGC---DORLOGRCYSNNRBDGL 394  
Db 190 VVYTRCNPFGSGGRVFLVGEPSIYCTSNDDQ--VGIMSGAPQCIILPNKCTPPRVNVEGI 247  
QY 395 CHVECNMM--LANDDDGDC-----C-----DPQVADVKTCTDPDPSPKRAY 433  
Db 248 LVSNRBLFSLNVEVERPCQVFPVWKGRKVCQALNKBELBPSCSRVCQPPPDVLAHA- 306  
QY 434 MSVKELEKALQLNSTHF--LNIYFASVREDLAGAATW-----PMDKAVT----- 477  
Db 307 -----ERTQRDNKNSPQGEVYFSCBPGYDLGGAASMRCTPOGDWSPAPLTCVKSCD 359  
QY 478 -----HLGGIYLSAAYIGMPGHTDTMTHEVGHVUG--LHYVFGK-----VSERE 519  
Db 360 DFMGQLLNGRVLFPVNIQLAKVDFVCDGEPQLKSSASYSYCVLAGMESLNNSSVAVPEQOI 419

QY 520 SCNDPCKEYVPS--METG-----DLCAD----- 540  
Db 420 FC--PSPBPVLPNGHRTKPLEVPPFGKAVNYTCDPHDRGTSFDLIESTIRCTSDPGN 477  
QY 541 ----TAPPKSEL----GREPS-----PTSPDCGTRPP--GAFTRVMS 575  
Db 478 GWSPPAPRCGILGHCAPIHFLPAKLTQTNASDPFISGLKKECPREYTGREFS----- 533  
QY 576 YTDNCTDNF--TPNOVARNHCYLDLVYQWMTESRRKTRPIPIPPMV----- 619  
Db 534 ----ITGLDNLVWSPKDVCK-----RSCKTPDPVGVNHVITDIQVGRIN 578  
QY 620 -----IGQTKSLITI-----HW--LPPI-----SGVYVRASSLCGACTBDGTR 658  
Db 579 YSCTGHRLLIGHSSAECILSGNAHASTKRPICORIPCGLPPTIANDPFI-----STNR 632  
QY 659 QVYHTAS--GRRVDSGGWYTPPEAVGPPVY-----DQCEPQLQMS--PEVHLHYMMN 709  
Db 633 ENFHYGSVVYTRCNPFGSGGRKRVFELVGEPSIYCTSNDDQ-----VGIMSGAPQCIIPNK 687  
QY 710 TVPCPTGCSLELFFQHPVQADTLTLWTSFFMESQVLPDTEILB--NKESVHLGPL 766  
Db 688 CTPEPNVZ-----NGLVSDNLSLSLNEVVEFRQPGFVMMGPR 726  
QY 767 DTFCDIPITKLHVDGKVGKVTYTPDERIEIDALILTSQPHSPLGSG--CRPARYQVLRD 825  
Db 727 RVKCO-----ALNKBELBPSCSRVCQ----- 749  
QY 826 PPFASGLPVVYTHSHRKFTDVE--VTPGMYQYUOLABAGEL--GEAS-----PLNHTHGA 879  
Db 750 -----PDDVLAERQKRDKNFSPQGEVYFS--CBPGYDLGGAASMRCTPOGDWSPAA 800  
QY 880 PYCG-----DGK-----VSERLGE--CDGDVLVSGDGS----- 907  
Db 801 PTCBVKSCDDFMGQLNGLRVLFPVNIQLAKVDFVCDGEPQLKSSASYSYCVLAGMESLNN 860  
QY 908 --KVCE-----LE-----EGFNCVGEPSL-C 925  
Db 861 SSVAVCQILFCSPBPVLPNGRHGKPLEVPPFGKAVNYTCDPHDRGTSFDLIESTIRCT 920  
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Db 921 TSDPQGGVWSSPAPRCGILGHCAPIHFLPAKLTQTNASDPFISGLKKECPREYTG 980  
QY 955 -----LDQWATRAVSHED--KKCC--PVSLVYTGSPHSLI-----CTSYHPD 992  
Db 981 PFSITICD--NLVWSPKDVCKRKSCKTPDPVNGMVHVIYTDQVGRINYSCTTGH-R 1036  
QY 993 LPMNR-----PLTGMFPC-----VASNETODDRSEQPEGLKKEDEV 1030  
Db 1037 LIGHSSAECILSGNTAMSTKPIQRIPCGLPPTIANGPFISTNRENFHYGSV----- 1090  
QY 1031 WLKCYFNRBGEARLIF-----IFLTTDG-----LVPEHQOPLYT--LYL 1068  
Db 1091 -VYTRCNLGSRRKRVFELVGEPSIYCTSNDDQVIMSGAPQCIIPKCTPPRVNVEGILV 1149  
QY 1069 TDVWGSNHSL-----GTGYLSQ-----HNPLILNVTTHQNVLFH 1103  
Db 1150 SD-----NRSLLPSLNEVVDPRCQPGFVWKGRKVCQALNKBELBPSCSRVCQPPPEILH 1205  
QY 1104 --HTTSVTLNFSBPVIGISAVALTSSRIGLSAPNSCISBDEGONHOGSCIHRRPCSQO- 1160  
Db 1206 GEHTPSHQDNFSP-----GQEVYSC--EPGYDLGGAASLH--CTPQG 1244  
QY 1161 -----DSCPSLL--LDHADVNVCTSIGELKKKAITCORGFALQASSQGYTRPM 1207  
Db 1245 DWSPEARCAVKSDDDFLQGLPHGRVLFPLNLQIG-AKVAFVCDGEGRLKSSVSH----- 1299  
QY 1208 QKEIILLTSSGSHMQNNS--CLPVDGCVDPDSLNVVANYFSCSEG--TKFLKXCSISCV- 1262  
Db 1300 ---CVLVGRSLNMMNSVPVCEHILFCPNP--PAILNGRHTGPSGDIPIGKEIISTYCDHPD 1355



QY 1263 ---PACLOGLSLPWLTCLED---GLMSLPEVYCKI-----ECADPPIILANLILPHCLQ 1310  
DB 1356 RGMFTNLIGEST-IRCTSDPHNGVWSSPAPRCESLVBAGCKTBEQPFASPTIP--IN 1412  
QY 1311 D-NHNVGTCICKECKRGVYVASASAGYKRNKLKIQCEGQIWE--QSSCIPVCEPPPP 1367  
DB 1413 DPEFVGVSLNYECKRGYP-----GKMFSTISCLNVLWSSVEINCRKRSKSGPPE 1462  
QY 1368 VPEGM-----YECTNGFSY-----DSQVLNQNQERKLPILCTKEGLMTQE 1409  
DB 1463 PFNGVNHINTDQPGSTYVNSCNBGFRLIGSPSTICLVSGNNV-----TWCK 1510  
QY 1410 FKLCEMLQECPPPESELS-----VEYKCEQGYG----- 1439  
DB 1511 APICEII--SCEPPTISNGDFYSSNNRTSPFHNGVTVVYQCHTGPDGEOLPELVGERSIYC 1568  
QY 1440 ---IGAVCSP-----LCVTPP--SDPYMLPEPNT---ADTLEHMEP---YKV 1476  
DB 1569 TSKDDQVGWSSPPRCISTNKTCTAPBEVNALRVGNNSPFSLTEIIPRCQPGFVMVGS 1628  
QY 1477 QSIVCTGRQMHPPDVLVHCIOCEP 1502  
DB 1629 HTVOCQTNGRM--GPKLPHCSRVQCP 1652  
RESULT 11  
US-09-612-314A-52  
Sequence 52, Application US/09612314A  
Patent No. 6713606  
GENERAL INFORMATION:  
APPLICANT: SMITH, RICHARD ANTHONY GODWIN  
APPLICANT: DODD, IAN  
APPLICANT: MOSSAKOMSKA, DANUTA EWA IRENA  
TITLE OF INVENTION: CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH  
TITLE OF INVENTION: MEMBRANE-BINDING AGENTS  
FILE REFERENCE: 37945-0004  
CURRENT APPLICATION NUMBER: US/09/612,314A  
CURRENT FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: US 09/214,913  
PRIOR FILING DATE: 1999-03-16  
PRIOR APPLICATION NUMBER: PCT/EP97/03715  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: GB 96 148 71.3  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 52  
LENGTH: 1947  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: CRI  
US-09-612-314A-52  
Query Match 3.3%; Score 287; DB 2; Length 1947;  
Best Local Similarity 19.1%; Pred. No. 6,8e-15;  
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;  
QY 233 EWVFP-----RDE-----KYPLIEVLQGFEPPELISPLQPPY-----CGQTVCDN 273  
DB 6 EMLPFARPTNLTLDEFPFIGYTLNYECKRPGVSGRPFSITCLKNSTWAKDRCRKSCKRN 65  
QY 274 -----VELISQNGWMLRGEVITVYQVNTCD--DE 303  
DB 66 PPDPVNGVHVIKGIQFSQIKYCTKGYRLIGSSSACIIISGDTVIMDNETPICDRIIPC 125  
QY 304 GLNPVSEHQIRLQHEALNEAF---SRYNISWQLSVHGVNHTLHRVVLVNCBESKIGN 360  
DB 126 GLPPTIT-----NGDPISTNRNFPH-----GSVYVTRCNNGSGGR 161  
QY 361 D-----HCDPECHPLTYDGG---DCRLQGRCSYMRNDRGLCHVECNM--LND 405  
DB 162 KVPELVGERSIYCTSNDDQ--VGIWSGAPOCIIIPNKCTPPIVENGILVSDNRSLFSINE 219

QY 406 FDDGDC-----C-----DEQVADVKTCEPDPSPKRAYNSVLEKEALQLN 446  
DB 220 VVERFCQPGFVWKGPBRVYKQALNKMKEBELPSCSRVQCPDPVLHA-----ERTQRD 271  
QY 447 STHF---LNTYFASVREDLGAATW-----PMDKAVT-----HLCGYLVS 485  
DB 272 KDNFSPGQEVFVSECPGYDLRGAASMRCTPGQDWSPAAPTCBYSKDDFMQQLNGRVLF 331  
QY 486 PAYGMPGHTDTMLHEVHVLG---LYHVFKG-----VSRESQNDPCKETVPS- 531  
DB 332 PVNIQLGAKVDFVCDGQFQLGSSASVYLAGMESLMSVPCQITC--PSPVPIFNG 389  
QY 532 METG-----DLCAD-----TAPTRKSEL- 549  
DB 390 RHTGKPLEVPPGKAVNYTCDPHPRGNSPDLIGSTIRCTSDPGQNGWSSPAPRCGIL 449  
QY 550 ---CREPE-----PISDTCGTRFP--GAFTYMTSTTDNCTNF-- 585  
DB 450 GHCPAPDHFLEPAKLTQTNASDFPIGSLKYCEBREYVGRPFS-----ITCLDNLWVS 502  
QY 586 TPNGVARNHCYLDLVYQWTESRKPTPIPIPMV-----IQOT 623  
DB 503 SPKOVCK-----RKSCKTPDPVNGVHVTIDIOGSRINYSCTTGRLIGHS 550  
QY 624 NKSILTI-----HW--LPEI-----SGVYVDRASGSLCAGCTEDGTFRQYVHTAS--SRRV 669  
DB 551 SABCISGNAAHMGTKPIPCGRIPOGLPEPTIANDFI-----STNRNFHGVSVYVTRC 604  
QY 670 CDSSGYWTPBEAVGPDPV---DQCEPBLQAWS--PEVLIYHNNMTVPCPTBGSJLEL 722  
DB 605 NPGSGGRKVFELVGEPSIYCTSNDDQ-----VGIWSGAPOCIIIPNKCTPPNVE----- 653  
QY 723 LFGHPVQADTILMTWTSFPMSSQVLPETLELLE---NKEVNHGPDLPFDIDIPITIKH 779  
DB 654 -----NGILVSDNRSLEFSLNEVEBRCQPGFVMGPRRVKQO----- 690  
QY 780 VDGKSVGVKVTYFDEIRIIDAALITLTSOPHSPLCSG--CRPVRYQVLRDPPFASGLPVVYTH 838  
DB 691 -----ALNKMREBELPSCSRVQCP-----PPDVLH 714  
QY 839 SHRKFTDVE-VTPQMTQYQVLAENGSL--GEAS---PPLNHHGADYCG----- 883  
DB 715 AERTQRDKNFSPQGEVYVS---CEPGYDLRGAASMRCTPGQDWSPAAPTCBYSKDDFMG 772  
QY 884 ---DQK---YSERLGEF---CDDGDLVSDGCS-----KYCE----- 911  
DB 773 QLLNGRVLPVNLQLGAKVDFVCDGQFQLGSSASVYLAGMESLMSVPCQITFCPS 832  
QY 912 -----LE-----EGFNCVGSPL--CYM--YEGDGI----- 933  
DB 833 PPVLPNGHNTGKPLEVPPGKAVNYTCDPHDRGNSPDLIGESTIRCTSDPGQNGWSSP 892  
QY 934 -----CE-----PPEKTSIVDCGIYT-----PKGY-----LDQMATR 961  
DB 893 APRCGILGHQAPDHFLEPAKLTQTNASDFPIGSLKYCEBREYVGRFSITCLD--NL 949  
QY 962 AYSGHED--KKKC--PUSLYTGERPHSL-----CTSYHPDLPNHR----- 997  
DB 950 VMSAPKOVCKRKSCKTPDPVNGVHVTIDIOGSRINYSCTTGK--RLIGHSSAECILSG 1008  
QY 998 -----PLTGMPPC-----VASNETODRSBQEPKSKDEDEVLKVCFMRPGBAR 1043  
DB 1009 NTAHMTSTYPIQRIIPGLPPTIANGDPISTNRNFHGVSV-----VYTRCNLIGSGR 1061  
QY 1044 AIF-----IFLTGDC-----LVPEHQOPTYT--LYLTVRGSNHSL-- 1078  
DB 1062 KVPELVGERSIYCTSNDDQVGIWSGAPACIIIPMKCTPPNENGILVSD--NRSLSL 1117  
QY 1079 -----CTYGLSCQ-----HNPLIINTHQNVLFF--HTTSVLANS 1114  
DB 1118 NEVVEFRQCPGPFVWKGPBRVYKQALNKMKEBELPSCSRVQCPPELIGESTHTPSQDNFSP 1177

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QY 1115 PRVGSVALRTSRIGLSAPNSCISEDEGQNHOGSCIRHPCGKQ-----DS 1162
Db 1178 -----QOEVFYSC---EPGYDLGAASLH--CTPOQDWSPEARCAVKS 1216
QY 1163 CPSLL--LDHADVNCSTIGSGLMKCAITCQGFALASSGQYTRPMQKEILLTCSGHW 1220
Db 1217 CDDPLGQPHGRVLPPLNLQIG-AKVSFVCEGFRLLKSSVSH-----CYLVGMSLW 1268
QY 1221 DQVNS-CLPVDGCVDPDPLVNYANFSCSEG-TKFLKQCSISCVB-----PAKLQGLSPW 1272
Db 1269 NNSVPCSEHIFCPNP-PALINGRHTGTPSGDIPYGEKISYTCDBHPDRGMTFNLIGEST- 1326
QY 1273 LTCLIED---GLMGLPEVYCTG-----ECAPPIILMANLLPRCLQD-NHDVGTICKYE 1332
Db 1327 IRTCSDDHNGWSSPAPRCELSVRAGHCKTPEQFPFASPTIP--INDFEPPVTSLSNTE 1384
QY 1323 CKPQYVAASAEKVRNKLKIOCLBEGIME--QGSCTPVYCEBPPPVFEGM----- 1372
Db 1385 CRGQYF-----GKMSISCLLENLWSSVEDNCRKSCGPPPEPFNGMHAINTDQ 1434
QY 1373 -----YECTNGFSL---DSQCVLNCNOBEREKLPICTKEGLWTOBFKLCENLQGECP 1422
Db 1435 FGSVTNVSCHNEGFLLISPSITCLVSGNNV-----TWDXKAPICEIT--SCBP 1480
QY 1423 PPSRLNG-----VEYKCEQGYG-----IGAVCSP 1446
Db 1481 PPTISNDPFYSNNRTSFHNGTVVYTOCHTGPDGOLFELVGERSIYCTSKDDQVGVWSSP 1540
QY 1447 -----LCVIRP-SDPVMLPENIT---ADTLEHMEP---VKQSIYCTGRBQMP 1489
Db 1541 PPRCISTNKKTAPEVERAIRVGNRSFSLTEIRFCQPGFVGVGSHITVOCQTNKGM-- 1598
QY 1490 DPVLVHCIOGCEP 1502
Db 1599 GPKLPHCSRVQCP 1611

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; TELEPHONE: (404) 873-8794
; TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1998 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-126-505A-13

Query Match      3.3%; Score 287; DB 2; Length 1998;
Best Local Similarity 19.1%; Pred. No. 7e-15;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 233 EWVPF-----RDE-----KPYRLEVYQGFEBEPETLSPLQPL-----CGQYVCN 273
Db 6 EMLPFAPTNLTDSEFPPIGTLYLNECRPGSGRPFSIILCKNSVMTGADRCRKRSCRN 65
QY 274 -----VELIQNYMPFLREKRYRYGVNVCID--DE 303
Db 66 PDPVNGMVHVIKIGIOGSOIKYSCTKGYRLIGSSATYCIISDQTVLWNETPILCDRI 125
QY 304 GLNPVISEQIRLOHEALNEAF---SRYNISWQLSVHVNSTLRRHVVLVNGCEPSKIGN 360
Db 126 GLPPTIT-----NEDFISTRENFHY-----GSVYVTRCNPSGGR 161
QY 361 D-----HCDPECHPLTYDGG--DCRLQGRCYSWNRDGLCHVECNM--LND 405
Db 162 KVFELVGEPSIYCTSNDDQ--VGIMSGPAPQCIIPNKCTPPVNGILVSDNLSLFLSNE 219
QY 406 FDDGDC-----C-----DPOVADVKTCTFDDSKRAVMSKELKELQLN 446
Db 220 VVEFRQPGFVMKGPARRVKQALNKWPELPSCSRVCQPPDVLAH-----ERTQD 271
QY 447 STHP---LNIYFASVREDLAGAATW-----PMDKQAVT-----HLGIVLS 485
Db 272 KDNFSPQGEVFPYSCBEPYDILRGAAISMRTPOGDMSPAPFCYKSCDDFMGOLLNGRVL 331
QY 486 PAVYGMFGHTDTMIHEVHVLG--LYHVPKG-----VSEKSCNDPCKETVPS- 531
Db 332 PVNLQIGAKVDVFCDEGFLQKGSASACVLAGMESLWSSVPCEQIFC--PSPVPIPG 389
QY 532 METG-----DLCAD-----TAPPSSEL- 549
Db 390 RHTGKPLEVPPFGKAVNYTCDPPHDSPTDLIGESTIRCTSDPOGNGWSSPAPRGIL 449
QY 550 --CREPE-----PTSDTCGFTBP---GAPFTNYSYTDNCTDNF--- 585
Db 450 GHCOAPDHPFLPAKLTOTNADDPITGSLKRECPREYGRPFS-----ITCLDNLVMS 502
QY 586 TPNOVARMHCYLDLVYQOWTESRKPPIPIPMV-----IGQT 623
Db 503 SPKDVCK-----RKSCTPPDPVNGMWHVITDIQVGSRIYSCCTGHRILGHS 550
QY 624 NKSITL---HW--LPI-----SGVYVDRASGSLGACTEGCTPQVYHTAS--SRV 669
Db 551 SARCIISGNAHWSKTPICQIRIPCGLPITANGDFI-----STNENFHYGSVVYTRC 604
QY 670 CDSGWTPEBAVCPDV-----DQCEBSLOAMS--PEVHLHYMNTVPCPTGSCSL 722
Db 605 NPSGGRKVELVGEBSIYCTSNDDQ-----VGIMSGPAPQCIIPNKCTPPNVE- 653
QY 723 LFOHPVQADTLTLMVTSFMESSQVLEDTBILLE--NKESVHLGPLDTFCDILPLTIK 779
Db 654 -----NGLIVSDNRSLSFLNEVVEFRQCPFMKGPARRVCKQ----- 690
QY 780 VDGKVSQVKTYYTDERLEIDAALLTSOPHPLCSG--CRPYRYVLADPPASGLPVYTH 838
Db 691 -----ANMKPELPSCSRVCQP-----PPDVLA 714
QY 839 SHRKFTDVE--VTPOGMVQVLAAGEEL-GEAS-----PLNLHIGAPYCG----- 883
Db 715 AERTQRKDNFSPQGEVFTS--CEPGYDLNGAASMRCTPOGDMSPAPAPFCYKSCDDPMG 772

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QY 884 ---DGR---VSERLGEE---CDDGDLVSGDCS-----KYCE----- 911
DB 773 QLNLRVLEFVNLQGAQKVDPCDGGFOLKSSASVCLVAGMESLWNSVPCQDQFCPS 832
QY 912 -----LZ-----BGFNCVGPST-CYM-YEGDI----- 933
DB 833 PVIINGRHTGKPLVEFPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDQGNVWMSAP 892
QY 934 -----CE-----PFEKTSIVDCGIYT-----PKGY-----LDQMANR 961
DB 893 APRCGILGHQAPDHFLEPAKLTQTNASDPFISLTKECRPEYIGRPSITCLD---NL 949
QY 962 AVSSHEH---KKKC---PVSLVTGEPHSLI-----CTSYHDLFPHR----- 997
DB 950 WMSSPKDVCKRKSCTPPDPVNGMWHVIDIIVGSRINSCTTGH-RLIGHSSACILSG 1008
QY 998 -----PLTGWPPC-----VASENETQDRSBOEGSLKKEDEWMLKVCFNRPGEAR 1043
DB 1009 NTAWHSTKPIQRIPCGLPTIANGDPFISTRENFHYSV-----VTRCNLGSRRR 1061
QY 1044 AIF-----IFLITDG-----LVPGHQOPTV---LYLTVDRGSNLSL--- 1078
DB 1062 KVFELVGPSTICTSNDQVGIWSGPAQOCIIIPNKCTPPNVENGILVSD---NLSLESL 1117
QY 1079 -----GTGLSCQ-----HNPLIINTVHONVLFH---HTSVLLNFSS 1114
DB 1118 NEVVEFRQCPGFVWGPRRVKQALNKMBELPSCRGVQPPREILHGHTSHODNFBP 1177
QY 1115 PRVGISAVALTSSRIGLSAPNSCISEDEGONHQCSCIHRPCQKQ-----DS 1162
DB 1178 -----GQEVFYSC-----BEGYDLRGAASLH---CTPGQDWSPPAPCAVYS 1216
QY 1163 CPSLL---LDHADVNVCTSIGPLMKCATICQGRFALQASSGOYIIRPMQKELLTSSGHW 1220
DB 1217 CDDFGQPLPHGRVLPPLNLQLG-AKVSFVCDGFFLKSSVSH-----CVLVGRSLIW 1268
QY 1221 DONVS-CLPVDGVPDPSLVNANFSCSEB-TKFLKRCISICVP-----PAKLOQLSPW 1272
DB 1269 NNSVAVCHEIIPCPNP-PALINGRHTGTBEGDI-PYKREISYTCDDPHDRGMTNLIGEST- 1326
QY 1273 LTCLIED---GLMSLPEVYCKL-----BCDAPPIILANLALPHCLQD-NHDVGTICKYE 1322
DB 1327 IRCTSDPHNGVWSSPAPRCBLSVRAHGCKTPEQPPASPTIP--INDEPFPVGSINYE 1384
QY 1333 CKPGTYVABSAGKVRANKLTKQCLBEGGWE--QSSCLPVVCEPPPPVEGK----- 1372
DB 1385 CRPGYF-----GKMFISISCIENLWSSVEBNCRRKSCGPPPEPFGMVHINTDQ 1434
QY 1373 -----YECTNGFSL-----DSQCVLNCQERKPLPLTKBGLMQOBFQJLQGEBCPP 1422
DB 1435 FGSITVYSCNBSGFRILIGSPSTICLVSGNNV-----TWKKAFCITII--SCBP 1480
QY 1423 PPSSEILNS-----VEYKBOGYG-----IGAVCSP 1446
DB 1481 PPTISNGDPFSNNRTSFHNGTVVYVQCHTGPQGEQFLVYGRSITYCTSKDQOVGWMSAP 1540
QY 1447 -----LCVIYPP--SDPVMLPEBNT---ADTLKHMWP---YKVSIVCTGRQWHP 1489
DB 1541 PPRCISTNKTAPVEVNAIRVGNBSFFSLTEIIRRCQPGFVWGSHTVQOTNGRW-- 1598
QY 1490 DFLVHICIOSCEP 1502
DB 1599 GPKLPHCSRVCP 1611

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RESULT 13
US-09-911-842A-5
; Sequence 5, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF

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; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 2489
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-911-842A-5

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Query Match 3.3%; Score 284; DB 2; Length 2489;

Best Local Similarity 19.5%; Pred. No. 1,8e-14;

Matches 263; Conservative 140; Mismatches 451; Indels 494; Gaps 72;

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QY 369 HPLTGYDGDCLQGRCSYWNRRDGLC-HVECNMLNDPDDGDCDPOVADVRYKTCFDDP 427
DB 1035 HRLIGHSSABCTLSGNAHWSTKPIQRIQICG-----LPPTIA----- 1073
QY 428 SPKRAYSVKELKELQLNSTHFLNIFYASSVRDLAQAATPMKDAVTHIGIYLSRA 487
DB 1074 -----NGDPISTRENF-----HYGSVV---T 1092
QY 488 YVWGHTDTMLHEVGHVLY-----HVFKVSRESQNDCKETVPSMETGDLCA 539
DB 1093 YRCNFGSGGRKVFELVGPSTICTSNDQVGIWSGPAQ--CIINKCTPPNVENGILVS 1150
QY 540 DTAFT-----PKSELCR---BPEPSTGCTGTRPGADFTNMYST 577
DB 1151 DNRSLFSLNEVEFRQCPGFVWGPRRVKQALNKMBELPSCRHVCP--PDVLHAERT 1209
QY 578 DNDCTDNTFPNOVAMHCTYLDLVYQWTESRKPTPIPPMWIQTNSLTIHMLPISG 637
DB 1210 QRD-KDNESPGQEVFYSC-----EPG----- 1229
QY 638 VVYD-RAAGSLGACTEDGTFRQVYHTASSRVCDSSGYTPBEAVGPPD-----VDQ 690
DB 1230 --YDLRGAASW--RCTPGDWSPPAPRCBYKSCDDPFMOQLNGRVLFPNLQGAQKVDV 1285
QY 691 CPSLQAWSPEVHLTHMMNTVPCPTGCSLELFGHPVQADTLTLMTVSFFMESSQVLEFD 750
DB 1286 CDEGRQ-----LKGS9A-----SYCVLAGMESLWNSVAP--CQDIFCP 1322
QY 751 TEILLENKESVHLG-PLDTF-----CDIPLTIKLVHDKVSGVAKYTTDEKLEIDA 800
DB 1323 SPVIVPNER--HTGKPLVEFPFGKAVNYTCD-----PHPDGTS-----FD-LIGEST 1367
QY 801 ALLTQPH-----SPL-----CSGCRPVRYQVLRDPPASGLPVVVTSHRKFDTV 846
DB 1368 IRCTSDPQGNVWSSPAPRCGLIGHQAPDHFLEPAKLTQTNASDPFI----- 1415
QY 847 EVTPQMYQOVLBAGG-----ELGRASP-----PLNHIGAPY-CGDG 885
DB 1416 -----GTSLKYECRPEYGRPSITCLDMLWSSPDKVCKRKSCTPPDPVNGMWHVITDI 1471
QY 886 KYSERLGECDGDLVSGDCSKVCELEBGRVCVEBELCTMYBEDGICEPERKTSIVD 945
DB 1472 QVGRINYSCTTGHLLHSSAE-----CLISGTAMHSTKPIQOR-----IP 1515
QY 946 CG-----IYTPKGYLDQMATRAYSHEDKKKCVSLVYTGPHSLICTSYHPD--- 992
DB 1516 CGLPTIANGDPFISTNRENFHYSVYVTRCNLGSGRKVFELVGP--SITYCSNDQVGI 1574
QY 993 -----LPNH-RPLTGWPPCVASENETQDRSBOEGSLKKEDEWMLKVCFNRPGEA 1042
DB 1575 WSGPAQCIIPVKCTP-----PNVENGILVSDNR--LFSLNEVEFRQCPGFVWGKBR 1626
QY 1043 RAIFILTLTDGLVPEHQOPTVLYLTVDRGSNHSGLTYGLSCQNPPLINVTH---NON 1099
DB 1627 R-----VRCQALNKMBELPSCSRV-----CQPPREILHGHTSHOD 1664

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QY 1100 VLHHTTSLNFSPPVGVSAVALRTSSRIGLSAPNSCISEBDGQNHOGQSCIRPCK 1159  
D 1665 -----NFSPP-----GOEVFVSC---EPGYDLRGAASLH--CTP 1692  
QY 1160 Q-----DSCPSLL--LDHADVNCTSIGPGLMKCAITCQGFALQASSGOYIR 1205  
D 1693 QGDMSPAPRCAYKSCDDFLGQLPHGRVLPPLNLQIG-AKVSFVCDSEGRLLKSSSVSH-- 1749  
QY 1206 PMOKELLITCSSGHDQNVN-CLPVDCGVDPDPSLVNYANFSCSBG-TKFLKCSISCV- 1262  
D 1750 ----CVLVGMRSLMNNNSVPVCEHIFCPNP-PALINGRHTGTSPGDI PYGKEISYTCDPH 1803  
QY 1263 ----PAKLGSLSPMLTCLD-----GLMSLPEVYCKL-----ECDAPILLANLILPHC 1308  
D 1804 PDRGMTNLIGEST-IRCTSDPHGNGWSSPAPRCESLVRAGHCKTPEQPPASPTIP-- 1860  
QY 1309 LQD-NHDVGTICKYCKECPGYVAESAEGVANKLTKIOCLEGGIWE--QGSCLPVVCEPP 1365  
D 1861 INDEFPVGTSLNTECRGYF-----GKMFSICLENLYWSSVEDNCRKSKCGP 1910  
QY 1366 PVEEGM-----YECTNGFSL-----DSQVLANCQERKLPILCTKEGLMT 1407  
D 1911 PEPNGVHINTDTQFGSTVWVSCNEGFRLIGSPSTTCLVSGNNV-----TWD 1958  
QY 1408 QEFCLCENLOGECPPEPSSELN-----VEYKCEQGYG----- 1439  
D 1959 KKAPICETII--SCBPPTISNGDFYSNNRFTSHNGVTVTYQCHTGPDEQLFELVGRSI 2016  
QY 1440 -----IGAVCSP-----LCVLP--SDPVMLPENIT-----ADTLBHMPE--V 1474  
D 2017 YCTSKDQGVWSSPPRCISTNKTCTABEVENAIKRVGNRSFSLTELVRFCQPGVNV 2076  
QY 1475 KVQSVCTGRQMHDPVLVHCIOQCEP 1502  
D 2077 GSHTVQCOTNGRW--GPELPHCSRVCP 2102  
RESULT 14  
5256642-6  
PATENT No. 5256642  
APPLICANT: PEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
MINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN  
H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.  
TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT  
RECEPTOR 1 (CR1) AND A THROMBOLYTIC AGENT, AND THE METHODS OF  
USE THEREOF  
NUMBER OF SEQUENCES: 30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/588,128  
FILING DATE: 24-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 412,745  
FILING DATE: 26-SEP-1989  
APPLICATION NUMBER: 332,865  
FILING DATE: 03-APR-1989  
APPLICATION NUMBER: 176,532  
FILING DATE: 01-APR-1988  
SEQ ID NO: 6  
LENGTH: 1466  
5256642-6  
Query Match 3.3%; Score 283; DB 6; Length 1466;  
Best Local Similarity 19.5%; Pred. No. 9.5e-15;  
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;

QY 488 YTCMHGHTDMIHVGHVNLGY-----HVFYGVSEBSQNDPCKETVPSMETGLCA 539  
D 141 YRCNPGSGRKRVFELVGEPSITCTSDNDQVIGWGPAPQ--CLIPNCTPPENVGLIVS 198  
QY 540 DTAFT-----PKSELCR--EPPTSDTCGFTFRPGAFPNNYMSYT 577  
D 199 DNKSLFLANEVERCQPGFVMKPRVYKCOALNKMFBELPSCGRVQCP--PBDVLHMER 257  
QY 578 DNDCTNFTPNQVARMHCYLDLVYQQWTSERKPTPIPIPMVIGQTNKSLTIHMLPPISG 637  
D 258 QRD-KDNFSPQOEVFVSC-----EPG----- 277  
QY 638 VVVD-RASGLSCAGCTEDGTFRQVYHTASSRRVCDSSGYWTPBEAVGPDP-----YDQ 690  
D 278 --YDLRGAASM--RCTQGWMSPPAPRCYKSCDDFNGQLNGRVLPVLDLQAKVDFV 333  
QY 691 CEPGLQAMSEVHLVHNMNTVPCPTGSCSELFLFOHPQADTLTLMTSFFMESSQVLPD 750  
D 334 CDEGFQ-----LKSSA-----SYCLAGMBSLWSSVPV--CEQIFCP 370  
QY 751 TEILLENKESVHLG-PLDTF-----CDIPLTTLHVDGKVSQVKTYPDERIEIDA 800  
D 371 SPVIFPNGR--HTGKPLEVFPFGKAVNYTCD-----PHDRGTS-----FD-LIGEST 415  
QY 801 ALLTSQPH-----SPL-----CGCRPVRYQVLADPPFASGLPVVWTHSHRKFTDV 846  
D 416 IRCTSDQGWSSPPAPRCGLIGHCQAPHPFLPAKLKTQTNASDPPI----- 463  
QY 847 EVTPQGYOYQVLAELAG-----ELGEASP-----PLNTHIGAPY--CGDG 885  
D 464 ----GTSLKTECRBYVGRFSTICLDNLVWSSXQVCKXKSKCTPDPVNGVHVTDI 519  
QY 886 KVSERLGECDGDVSGDCKYKYLEBGFNCGVEPSLCYMTBGDI CEPEFKTSIVD 945  
D 520 QVGRINYSCTTGRLIGHSSAB-----CLSGTAMWSTKPIICOR-----IP 563  
QY 946 CG-----YTPRGYLDQMATRAYSHEDKKCPVSLVNGEBSLICTSYHPD-- 992  
D 564 GGLPPTIANGDFISTNENFHYGSVVTRCNLSGRKRVKVELGEP--SICTSDNDQVGI 622  
QY 993 -----LPNH-RPLTGMPCVASENETODDRSEQPEGLSKKEDVWLKVCNRRGEA 1042  
D 623 WSGAPQCIIIPNKTIP-----PVENGIIVSDNRS--LSLNIVVEFRQCPGVNMGPR 674  
QY 1043 RAIFILFTTDLGVGEHQPTVTLVTLVDRGSHSLGTYGLSCQNPILLNVTH--HON 1099  
D 675 R-----VKQALNKMFBELPSCSRV-----CQPPREILHGEHTPSHOD 712  
QY 1100 VLHHTTSLNFSPPVGVSAVALRTSSRIGLSAPNSCISEBDGQNHOGQSCIH----- 1154  
D 713 -----NFSPP-----GOEVFVSC---EPGYDLRGAASLHCTPRG 742  
QY 1155 -----RPGKODSCPSLL--LDHADVNCTSIGPGLMKCAITCQGFALQASSGOYIRPM 1207  
D 743 DMSPEAPRCAYKSCDDFLGQLPHGRVLPPLNLQIG-AKVSFVCDSEGRLLKSSSVSH-- 797  
QY 1208 QKEILLITCSSGHDQNVN-CLPVDCGVDPDPSLVNYANFSCSBG-TKFLKCSISCV- 1262  
D 798 ----CVLVGMRSLMNNNSVPVCEHIFCPNP-PALINGRHTGTSPGDI PYGKEISYTCDPH 853  
QY 1263 ----PAKLGSLSPMLTCLD-----GLMSLPEVYCKL-----ECDAPILLANLILPHC 1310  
D 854 RGMTFNILIGEST-IRCTSDPHGNGWSSPAPRCESLVRAGHCKTPEQPPASPTIP--IN 910  
QY 1311 D-NHDVGTICKYCKECPGYVAESAEGVANKLTKIOCLEGGIWE--QGSCLPVVCEPP 1367  
D 911 DPEPVGTSLNTECRGYF-----GKMFSICLENLYWSSVEDNCRKSKCGPPE 960  
QY 1368 VFEGM-----YECTNGFSL-----DSQVLANCQERKLPILCTKEGLMTQ 1409  
D 961 PFGNVHINTDTQFGSTVWVSCNEGFRLIGSPSTTCLVSGNNV-----TWDK 1008  
QY 1410 KLCENLOGECPPEPSSELN-----VEYKCEQGYG----- 1439

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Db      1009 APICEII--SCEPPTISNGDFYSNNRRTSFHNGTVVYQCHTGPDEQLFELVGERSTYC 1066
Qy      1440 -----IGAVCSP-----LCVIPP--SDPVMLENIT-----ADTLEHMEP-----KV 1476
Db      1067 TSKDDQVWSSPPRCISTNKCTAPBEVENAIRVGNRSPFSLTEIIRFCQPGFVMVGS 1126
Qy      1477 QSIYCTGRROWHPPDVLVHCIOQCEP 1502
Db      1127 HTVOQQTNGRW--GPKLPKCSRVCO 1150

RESULT 15
5472939-6
; Patent No. 5472939
; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,
; MINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN
; H.; MAKIDES, SAVVAS; MARSH, HENRY C. JR.
; TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT
; MEDIATED DISORDERS
; NUMBER OF SEQUENCES: 30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138,825
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588,128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412,745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332,865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176,532
; FILING DATE: 01-APR-1986
; SEQ ID NO: 6:
; LENGTH: 1466
5472939-6

Query Match      3.3%; Score 283; DB 6; Length 1466;
Best Local Similarity 19.5%; Pred. No. 9.5e-15;
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;

Qy      369 HPLTGYDGDGCRLOGRCSYNNRRDLG-C-HVECNMNLNDFDDCCDPQVADVRYKTCPPDD 427
Db      83 HRLIGHSSABECILSGNAHMTKPIQORPCG-----LPPTLA----- 121
Qy      428 SPKAYMSVKELKELQANSTHPLNTYFASVRELDLAGAATPMKDXAVTHLGIVLSPA 487
Db      122 -----NGDFISTNRENF-----HGVSV--T 140
Qy      488 YVGNHGTDTMIEVGHVLYG-LY-----HVFKGVSRERSCNDPCKETVPSMETGDLCA 539
Db      141 YRCNPGSGGRKVFELVGSPIYCTISNDQVIGMSGPAQ--CIINKCTPPNVEVGLIVS 198
Qy      540 DTAFT-----PKSELCR--BPBFTSDTCGTRPPGAPFTYMSYT 577
Db      199 DNRSLFSLNVEVFRCPGFWKGBRVRVQALNKMWBELPSCSVCO 637
Qy      578 DDCNTDNTPNQVAMHCYLDLVYQQTESRKPTPIPIPMVIGTQKSLTIHMLPPISG 637
Db      258 QRD-KDNFSPGOEVEVYSC-----EPG----- 277
Qy      638 VVYD-RAGSLCGACTEDGTFRQYVHTASSRRVCDSSGYMPEBAVGPP-----VDQ 690
Db      278 --YDLRGAASM--RCTPGDMSPPAFTCEVKSQDPMQQLNGRVLFVNNLOLAKVDFV 333
Qy      691 CEPISQANSPEVHLVHMNTVPCPTGSGSLBLFQHPVQADTLTLMTVSFFMESQVLF 750
Db      334 CDEGPO-----LKSSA--SYCVLAGMSLMSNSVPV-CEQIFCP 370
Qy      751 TEILLEKESVHLG-PLDTF-----CDIPLTIKLVHGKSGVAVYTPDERIEIDA 800
Db      371 SPVPIPNGR-HTGPKLEVPFGKAVNYTCD-----PHDPKGT-----FD-LIGEST 415

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Qy      801 ALLTSQPH-----SPL-----CSGCRPVRYQVLEDPFASGLPVVVTSHRKTVDV 846
Db      416 IRCTSDPGNGWSSPARRCIGLHGCQAPDHFPAKLTQTNASDFI----- 463
Qy      847 EYTPGQMTQYOVLAAG-----ELGASP-----PLNHIGAPV-CGDG 885
Db      464 -----GTSLKYECPREYRPPSITCTLDNLVWSSPDVCRRKSKTTPDPVGMVAVITDI 519
Qy      886 KYSERLGEBCDDGLVSGDGSKVCLEBGNVCNCEPGLCYMYBSGDCEPBERKTSIVD 945
Db      520 QVGRINYSCTTHRLIGHSSAE-----CLISGNTAMSTKPIQOR-----IP 563
Qy      946 CG-----IYTPKGYLDQWATRAYSSHEDKKCPVSLVTEGPHSLICTSYHPD--- 992
Db      564 CGLPPTIANGDPISTNRNHFYGSVYVYTRCULGSRGRVFLVEGP-SITGTSNDQYGI 622
Qy      993 -----LNH-RPLTGMFPVYASNETODDNRSEOGSLKXEDVWLKVCNRPGBA 1042
Db      623 WSGPAPQCIINPKCP-----PNVENGLIVSDNRS--LFSINVEVERFCOPGFVMKQPR 674
Qy      1043 RAIFILFTDGLVGEHQPTVTLVLDVGRSNHNSLGTGSLCOHNPILINVTH---HON 1099
Db      675 R-----VACQALNKEPELPSCRY-----CQPPPIILGHEHPSHOD 712
Qy      1100 VLFHHTTSVLNFFSPRVGISAVALRTSSRIGLSAPNSCISEDEQNHQSGSCIH----- 1154
Db      713 -----NFSR-----GQVFFVSC--EPGYDLRGAASHCTPRG 742
Qy      1155 -----RPGKODSCPSLI--LDHADVNCSTIGPLMKCAITCORFALQASSGOYIRPM 1207
Db      743 DMSPEAPRCAYKSCDDFGLQPLPHGRVLEPLMLQIG-AKVSFVCDGFFLKSQSVSH----- 797
Qy      1208 QKEILLTCTSSGHMPOUNS-CLPVDQGVDPDSLAVNYANFSCSEG-TKFLKRSISQVP--- 1262
Db      798 --CVLVGRSLMNNNSVPCHEIFCPNP-PALLNGRHTGPSGDIPLYKEISITCTDPHPD 853
Qy      1263 ---PAKLQGLSPWLTCLD-----GLMSLPEVYCKL-----ECDAPIILNANLLPHCLQ 1310
Db      854 RGMFTNLIGEST-IRCTSDPHNGWSSPARCLESVAAGHCKTPBOFPFASPITP--IN 910
Qy      1311 D-NHDVGTICKYECKPGYVVAESABGKVRNKLKIQCLEGIWB--QGSCLPVCCEPPP 1367
Db      911 DFEPPVGTSLNYECRPGYF-----GWFISICLENLWSSVEDNCRKSCGPPPE 960
Qy      1368 VPEGM-----YECTNGFSJ-----DQCULNCQERBKPLICTKGLWTOE 1409
Db      961 PFGNVHINTDQFGSTVNVYSCNBFRLIGSPSTTCLVSGNNV-----TWDX 1008
Qy      1410 FKLCENLQCECPPPSELS-----VEYKCEQGYG----- 1439
Db      1009 APICEII--SCEPPTISNGDFYSNNRRTSFHNGTVVYQCHTGPDEQLFELVGERSTYC 1066
Qy      1440 -----IGAVCSP-----LCVIPP--SDPVMLENIT-----ADTLEHMEP-----KV 1476
Db      1067 TSKDDQVWSSPPRCISTNKCTAPBEVENAIRVGNRSPFSLTEIIRFCQPGFVMVGS 1126
Qy      1477 QSIYCTGRROWHPPDVLVHCIOQCEP 1502
Db      1127 HTVOQQTNGRW--GPKLPKCSRVCO 1150

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Search completed: January 30, 2006, 15:26:32  
 Job time : 38.2607 secs

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GenCore version 5.1.6  
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OM protein - protein search, using SW model

Run on: January 30, 2006, 15:15:48 ; Search time 17.6781 Seconds  
(without alignments)  
954.383 Million cell updates/sec

Title: US-09-983-025b-2\_COPY\_234\_1791  
Perfect score: 8612  
Sequence: 1 SPPESSNONGGEGSYRAET.....AADCDLDECTCRDPAERNO 1558

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 75621 seqs, 10829074 residues  
Total number of hits satisfying chosen parameters: 75621

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New:  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US05\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
  
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3916.5	45.5	1627	6	US-10-821-234-1283 Sequence 1283, Ap
2	332.5	3.9	3568	6	US-10-453-372-194 Sequence 194, App
3	332.5	3.9	3570	6	US-10-453-372-178 Sequence 178, App
4	332.5	3.9	3570	6	US-10-453-372-196 Sequence 196, App
5	332.5	3.9	3570	6	US-10-453-372-198 Sequence 198, App
6	332.5	3.9	3570	6	US-10-453-372-200 Sequence 200, App
7	332.5	3.9	3570	6	US-10-453-372-204 Sequence 204, App
8	332.5	3.9	3570	6	US-10-453-372-206 Sequence 206, App
9	331.5	3.8	3570	6	US-10-453-372-202 Sequence 202, App
10	287	3.3	2048	7	US-11-116-939-6 Sequence 6, Appl
11	282.5	3.3	1574	6	US-10-055-877-211 Sequence 211, App
12	278.5	3.2	2050	6	US-10-453-372-192 Sequence 192, App
13	259	3.0	868	6	US-10-995-561-792 Sequence 792, App
14	253.5	2.9	790	6	US-10-995-561-955 Sequence 955, App
15	253.5	2.9	830	6	US-10-995-561-957 Sequence 957, App
16	253.5	2.9	830	6	US-10-995-561-958 Sequence 958, App
17	249	2.9	1033	6	US-10-921-415-1 Sequence 1, Appl
18	247	2.9	3567	6	US-10-453-372-1112 Sequence 1112, App
19	240.5	2.8	3104	6	US-10-453-372-34 Sequence 34, Appl
20	240.5	2.8	3104	6	US-10-453-372-62 Sequence 62, Appl
21	240.5	2.8	3104	6	US-10-453-372-64 Sequence 64, Appl
22	239.5	2.8	3483	6	US-10-453-372-32 Sequence 32, Appl
23	239.5	2.8	3483	6	US-10-453-372-40 Sequence 40, Appl
24	236.5	2.7	3130	6	US-10-453-372-42 Sequence 42, Appl
25	233.5	2.7	2612	6	US-10-453-372-38 Sequence 38, Appl

26	230.5	2.7	610	7	US-11-043-788-30 Sequence 30, Appl
27	229.5	2.7	1664	6	US-10-055-877-212 Sequence 212, App
28	228.5	2.7	406	6	US-10-453-372-188 Sequence 188, App
29	225	2.6	1400	6	US-10-821-234-1045 Sequence 1045, Ap
30	224	2.6	1620	6	US-10-055-877-213 Sequence 213, App
31	223	2.6	768	6	US-10-995-561-956 Sequence 956, App
32	218.5	2.5	1025	6	US-10-921-415-5 Sequence 5, Appl
33	216.5	2.5	2669	6	US-10-453-372-36 Sequence 36, Appl
34	215.5	2.5	381	7	US-11-116-939-2 Sequence 2, Appl
35	215	2.5	380	6	US-10-821-234-1342 Sequence 1342, Ap
36	212.5	2.5	810	6	US-10-453-372-1116 Sequence 1116, Ap
37	210	2.4	1620	6	US-10-453-372-868 Sequence 868, App
38	209.5	2.4	884	6	US-10-453-372-58 Sequence 58, Appl
39	207	2.4	882	6	US-10-453-372-190 Sequence 190, Appl
40	206	2.4	344	6	US-10-453-372-160 Sequence 160, Appl
41	206	2.4	1403	6	US-10-055-877-52 Sequence 52, Appl
42	206	2.4	1403	6	US-10-453-372-878 Sequence 878, Appl
43	201.5	2.3	1577	6	US-10-055-877-54 Sequence 54, Appl
44	201.5	2.3	1577	6	US-10-453-372-882 Sequence 882, Appl
45	201.5	2.3	1577	6	US-10-453-372-884 Sequence 884, App

ALIGNMENTS

```
RESULT 1
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OR INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1283

Query Match      45.5%; Score 3916.5; DB 6; Length 1627;
Best Local Similarity 45.8%; Pred. No. 3,7e-306;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

16 RAATFNSGVGLP--ILYFSGRRL-LIRPEVLAIRPEATVAAVYRGGONNPAI 72
||| | | | | | | | | | | | | | | | | | | | | | | | | | |
80 REARATEPSPSPRALYFSGRGEQLRVLRDL--ELPDAFTLLQVLAEGQSPAYI 137
||| | | | | | | | | | | | | | | | | | | | | | | | |
73 AGVFNCSHTVDDKMGALGIRSGDKGRDARFFSLCTDRVKKATILISHRYPGWT 132
::: | | | | | | | | | | | | | | | | | | | | | | | |
138 TELYKCYISDRKGVGIRHITSODNKDPYFSLKTRAKOVTTIAHNSYLRGVV 197
::: | | | | | | | | | | | | | | | | | | | | | | | |
133 HVAATYDGRHMLVYDGVASLDQSGPLSPFMAHSCRLLLGGDSSEGHYFRGHLCT 192
::: | | | | | | | | | | | | | | | | | | | | | | | |
198 YLAATYDQFMKLYNQAQVATSGQVGFIFPLQKCKVLMGG--SALNNRYGYIH 255
::: | | | | | | | | | | | | | | | | | | | | | | | |
193 LVFNCTALPQSHFSQSSGSEERATDLVLTASFEPVTVTPPRDEKTPLEVV--LOG 250
::: | | | | | | | | | | | | | | | | | | | | | | | |
256 FSLMVARVARTQRIILSDMETHGATRLPOLLOENDNVGHASPMKDGSSPYEFSMAHG 315
::: | | | | | | | | | | | | | | | | | | | | | | | |
251 FEPPEILISPLQPGOGVCDNVELLISQYNGWPLRGRKIVRYOVNINCDEGLNPYS 310
| | | | | | | | | | | | | | | | | | | | | | | | | |
316 FLVD-----TSLEPPLCGQLCNTETVIASTYNQLSFRQPKVRYRVNMLYEDHKNPTVT 371
| | | | | | | | | | | | | | | | | | | | | | | | | |
311 EQIRLQHEALNFAFSRYNISWQLSVHGVNSTLRHVVVLYNCEPSKIGNDHCDPECHP 370
```

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Db 372 REQVDFOHJOLAEAFKQYNIISWELDVLEVSNSILRRLLILANCDISKIDBRCDCPECHMT 431
Qy 371 LTVGDGGR--LQSCSYMNRRDGLCHVECNMMLNDPDDCCDQVADVNRKTCDDPSP 429
Db 432 LTVHGGGCRRLHAPAFKQKNGVCDMDCHYERNFQGGCCDEITNVYOTCCDDPSP 491
Qy 430 KRAYSVKELKALQLANSTHPLNIYFASVREDLAGAATWPMKDAVTHLGGIVLSPAY 489
Db 492 HRAYVDVVELKNLILTDGSTHNLIFPAKSSBEELAGVATWPMDKALMLGGIYLANSPFY 551
Qy 490 GMPGHTDTHIHEVGVGLIYHFKAVSERESCNDCCKTVPBMEGDCIADTAPFPKSEL 549
Db 552 GMPGHTDTHIHEIHSGLIYHVFSGISIQSCSDPCMETEPSEFEGDLCNDTNPAFKKS 611
Qy 550 CREBPTSDTCGFTRFPQAPFTNWSYTDNDCTDPTFNOVARMHCYLDLVYQWTEGRK 609
Db 612 GDBPQNDTCGFHSFNTPTNNFMSYADDDCTDSTFNOVARMHCYLDLVYQWTEGRK 671
Qy 610 PTPPIPRMVIQOTNKSILTIHMLPRISGVVYDRASGSLGACTBEDGTFRQVYHNTASSRV 669
Db 672 PAPVALAQVGLHTIDSVLTLEFPRIIDGHFFERELGSAHCLBGRILVQVASNSSMP 731
Qy 670 CDSGVTPEBAVGPDDVDQCEPSLOAMSPEVHLYHMMTVPCP--TBGCSIELLFOHPV 728
Db 732 CSPSGHMSPREABGHDPVEQPCSSVRTWSPNSAVNPHVTPPACPEPOGCTYLELEFLYPL 791
Qy 729 QADTLTWMT--SFMESSQVLFDEBEILLENKESVHLGPDLPFCOILPLITKL--HYDGKYS 785
Db 792 VPESLTIWTVSTWDDSSGAVNDIKLAVSGSKNISLGEQNVFCVPLITLRLMDVGEERY 851
Qy 786 GVKVYTPFERIIDAALLTSPHSPLCSGCRVRYQVLDPPFASGLPVVYVTHSHRKFTD 845
Db 852 GIQITLDBEHLEIDAMLTSTADTLPCLQCKRLKVVARDPLQMDVASIL--HLNRKFPVD 910
Qy 846 VEATPGQMYQVYVLAEGSELGEASRPLNHIHAPYCGDGKYSERLGEBCDDGDLVSGDG 905
Db 911 MDLNTGSVYQVYVLTISGTESESPSPAVTYIHGRGCGDGIIOXQOGEQCDMMNKINGG 970
Qy 906 CSKVELEBEGFNCVGBEPLCYMYBEDGICEPERKTSYDGCITYPKGYLDOMATRAYSS 965
Db 971 CSLFRQEVSFNCIDBPSRCYHDDGVCBEEQKTSIDCCVYTPQGLDPMASNASVS 1030
Qy 966 HEDKKKCPVSLVTEGP--HSLICTSYHAPDLPHNRPLTWMPFVASENETQDDSEQPEBSL 1024
Db 1031 HQD--QCCPEMWIIGQPAASQVCRKTVIDSEGISQHAMVPCITISVYSG----- 1078
Qy 1025 KKEDEVWLKVCENRRPGEARAFITFLTDDGLVPEHQQPVTLYLTDVSGSNHSLGTGYS 1084
Db 1079 LAQTTFMLAAYFSQPMVAALVIVHLVTDGTYYGDDQKQETISVOLDTKQSHDLGLHVLIS 1138
Qy 1085 COHNPILINVTNHQNVLFHHTTSVLLNFSPPVIGISAVVLAFTSSRIGLSAPNCISBDEG 1144
Db 1139 CANNPLIIPVNDLSQPFYHSAQVRFSSPLVALISGVALRSPDNDFVTLSSC--ORGET 1197
Qy 1145 QNHQSGSCIHRCGKODSCPSILLDHADVUNCTSI-----GPGIMKCAITCQGFALQASS 1200
Db 1198 YSPADQSCVHFACEKTD--CEBLAVENAS--LNCSSSRNHYG---AQCTVSCRTGYVLQIR 1252
Qy 1201 GOYIRPMQ--KEILLTSSGHWQNVSCLPVDCGVPSFLVYANFNSCEGTFELKRSI 1258
Db 1253 DBELKSGQFSPVTVCTEGKNNKQVACBPVDCISIPDHQVYAAASPSCEGTTFGQCSF 1312
Qy 1259 SCVPRAKLOGLSPMLTCLDEGLMSLBEVYCKLEQDAPRIILANLILPHICLDONHVGIT 1318
Db 1313 QRHRPQLQGNNSLTLTQMEDGLMSPEBALCELMCLAPRPVPAANDLTADCREKHAHVSF 1372
Qy 1319 CXYBCPGYVYVBSAAGVYRNKLLTQCLEGGIHWGSGCIPVYCEBPVPVPEGMYECTNG 1378
Db 1373 CXYKCKPGYHNVGSSR--KSKKAFFKQCTQODGSKWOGACVRYTCDPPPKFGLYQCTNG 1431
Qy 1379 FSLDSCQVLNLC-----NQBREKLPILCTYEGMTQEFKLCENLQGECPPESELNS--VEY 1432
```

```
Db 1432 FQFNSECRICKEDSDAOGGLASNVTHCRKQCTWNGSFHYCOEMQOC--SVNPELNSNLKL 1490
Qy 1433 KCEQGYIGAVCSPLCYLPSPDPVMLPBNITADTLBHMMEBVKYQSYVCTGRQMHDPV 1492
Db 1491 GCPGVALIGSECANSCIDHNSESIIILPMNVYTRDI PHMLNPTBVERVYCTAGLKYPHAP 1550
Qy 1493 LVHCTQSCPEPQADGKCDTINNRAYCHYDGGDCSSSTLSSKKVLPFADCDLD--BCCRD 1551
Db 1551 LHHCVKGEPEPMGDNYCDALNNRAFCNYDGGDCCTSTVTKKVTVPFMSCDLQDCACRD 1610
Qy 1552 PKAEN 1557
Db 1611 PQAQEH 1616

RESULT 2
US-10-453-372-194
; Sequence 194, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alabrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cnarsedlist version 0.1
; SEQ ID NO 194
; LENGTH: 3568
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-194

Query Match 3.9%; Score 332.5; DB 6; Length 3568;
Best Local Similarity 19.7%; Pred. No. 9.3e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

53 AFTVAWYKPEGCGNPPALINGVPNCSHT---VSD-KGMALGIRGDKQKGRDARFPFS 108
Db 1447 ALTTCPMMKSSDMMYGPRIISYANDNGSDNLTLLTDYGVGVLYV--NGREK----- 1495
Qy 1499 LCTDRVKATLILISHRYOPGTWTHVATY--DGRHMLVYD-----GTQVASSLDQ 158
Db 1496 -----ITNCPNVNDGMNHIALTTWSTGAMRVYINGELSDGTGLSIGKALPG 1544
Qy 159 SGPPLSPMASCRSILLGSDSSBDGHTYR-----GHIGTVFWSTAL--PQSHFQHSQH 211
Db 1545 GG-----ALVLCQEBODKKGEGFNPAESFVSGISQLNLMYVLPQ---QVKSILA 1590
Qy 212 SSGEREATDIVLTAAPFEVNTWVPR-----DDK-----YPRU----- 245
Db 1591 TSCPELSKGNVLA-----WPDFLSGIYGVKVIDSKSIFCSDCPRLGSSVPHLRTAS 1642
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QY 246 EYLQ-----GF-----BEP-----BLSPLAPL-----265
DB 1643 BDLKPSKYNLPCBPGFQLVGNPVQCLNQGOWTQGLPHCBRCVPPPLNGFHSADD 1702
QY 266 ---CGQTV---CNVELISQYNGYMPLRGKVIYRQVANI CDDEGLNPIYSEQIRLQHA 320
DB 1703 FYAGSFVTVYQCN-----NGYLLGDBRM-----PCTDNGSNWNGVSPCLDDECA 1747
QY 321 LNEAFSRVNI SWQLSVHOYHNSLRRVVLVANCEPSKIGN-DHC-DP-BCB---HPLVGY 374
DB 1748 VSSDSEH-----ASGLANDGS-----YICSCVPPYTGDKKCAEPICKKAPGNBENH 1796
QY 375 DGDGCRLOG-----RCYSWNRBDGLCHVBC-----NNMLNDFDGDCCDPQVADVRKTC 423
DB 1797 SSGEITVTAQVATFSCQGBGYQLMGVTKITCLBSGEMNHLI-----PYCKAV--SC 1844
QY 424 PPPDSFKRAYMVKELKALQANSTHPLNITPRASSVREDLAQAATPMDKDAVTHLGGIV 483
DB 1845 GKPAIPENG--CIEBLAFTFGSKVYTRCNKGYTLADKSSCLANSSWHSBP-----V 1896
QY 484 LSPRAYGMGHDTMTHVGHVGLGLVHFKGVSERESCDPCKETVPSEMGDGLADTA- 542
DB 1897 CBPVKCSSPENINN-----GKT-IISGLTYISTASYC-DIGYSLOGPSIIECTAS 1945
QY 543 -----PTKSELCREPPTSDTC-----GTRFPGAPFTNWSYTDNCTNFTFNOYA 591
DB 1946 GIMBARAPACHLVFCGEPRALIDAVITGNFT-----FRNTVTVI--CKSGYTLAGLD 1996
QY 552 RMHCTLDLVYQOWTESRK--PTPIPIPMVIGQNKSLITIMLPPISGVVYDRASGSLC 648
DB 1997 TIECLAD--GKMSHSDQOCLAVSCDEPPIVDHASP--TAH-----RLFGDIA 2040
QY 649 GACTEDGTROYVHTASSRVRVCDSSGYWTPBEAVGPD--VDQPC--PSLQAMSPRVHLY 705
DB 2041 FYTCSDG---YSLADNSQLCLNAGKWPBEGQMPRCIAHCEKPPSVS-----Y 2088
QY 706 HMMNTVPCPTEGSCLELRFQHPVQADTLTLMVTFPMSSOVLFTDEILB-----NK 758
DB 2089 SI-----LESVAKAPRAGS-----VSPFCMGSPVL--NLSAKIECBRGSGMNP 2131
QY 759 BSVHLGRLDTCDDIPITIKLAVDGKVSQVKTTFEDRI-----BIDALLTS 805
DB 2132 SPMSIQICIVRCGEPSI---NMGYASGSN--YSFGAMVAYSCKNGFYIKGEKKSJTEANG 2187
QY 806 QPHSPLCSCRPVRVQVADLPPASGLPVVYTHSHKFTDVERTPQOMQOVLAEAGB 865
DB 2188 QWSSPILPT-CHPV-----SCGEPPKVENGF-----LEHTTGRIPESEVRVQCNPG 2231
QY 866 LGEASPP-----NHIHG-APY-----CG-----DGKVSERLGEBCDDGD 899
DB 2232 YKSVGSFVVCQANRMHSESPLMCPRLDCKRPPIQNGFMKGEMEVGSKVQFNEGY 2291
QY 900 LVSQDGSFVCELBEGFNCVGBPSLCMYEGDGCIBPFB-----RKTSLVDG 947
DB 2292 BLVGDG--SWTCKQSGKMKKSNPK-----CMAPACBPPELLENQVLKELTVEVG 2340
QY 948 IYT-----PKYTL-----DQWATRAYSHHEKCKCPVSLVYGERHSLCTSYHND 992
DB 2341 VVTFSCKEHVLQGBSVLKLCLPSQOM-----NDSFPVCKVLCTPPP-----LISFGVP 2389
QY 993 LPN---HRPLTGMFPCVAS---ENETODRSBQPSLKEDEVM---LKVCFNPRGA 1042
DB 2390 TSSSALHRSSTYKSCVCGFPLRGNST-----TLCQPDGTWSSSLPBC-----2432
QY 1043 RAIFITLTDGLVGEHOOP-TVTLVTLTVRGSNHSGLTYGSCQHN-PLIINVT---H 1096
DB 2433 -----VPVCCPQBBIPINGIIVQGLAY-LSTALVTCCKGFPVLVGTTLTLCGB 2479
QY 1097 HONVLFHHTTSVLNASSPRVGSVALMTSSRIGLSASNSCISEGQNHQGS---CI 1153
DB 2480 NCHWLGKPTCKAIECLKPEILNGKFSYTDLHGYQTVTYS---NRGRLEGPSSALTCL 2536

```

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QY 1154 HRPCKQD-SCPSLLDHDVNVCTSIGP--GLMKA-----ITQGFALQAS 1200
DB 2537 E--TGDMVDVAPS-----CNAIHCDSPQPIENGFEAGDYGAILIYSCFPGFVAGHA 2589
QY 1201 GQYIRPMQKEILLTSSSGHMDNV--SCLPVDCGV-----DPS 1237
DB 2590 MO-----TCBESGSSSIPTCMPIDCGLPDHHIDFGDCTYKDDQGYFQEDDM 2638
QY 1238 LVNY-----ANFSCSEGT-----FL--KRCISICVPAKLOGLSPWLTCL 1276
DB 2639 EYVYTPHPHYLGAIVAKTWETKSPATHSNFLYGTWVSTTCNPGYLLG--NPVLIOQ 2697
QY 1277 EDGLWSLPEVYC-KLECDAPPIILANLILPHCLDNHDVGTICRYECKPGYVVASBAG 1335
DB 2698 EDGTWNGSAPSCISIECDLPTAPENGFLRTET-----SMGSAVYSCPKGHILAGSD-- 2750
QY 1336 KYRNLTKIOCLEGIMBGS--CIPVCEPPEPVPEG-----MYECTNGFS 1380
DB 2751 -----LRL-CLENKRWGASPRCAISCKKNPVMNNGSIKGSNTTYLSTLYEBCDPGY- 2802
QY 1381 IDSQVLNCDREKLPILCTREGLMTOBFKLCEMLQSECPPESELN----- 1428
DB 2803 -----VLNSTER-----TCQDDKNWDEBRIC--IPVDCSPVVSANQVAGDEYFQK 2850
QY 1429 SYEYKCEQY-----GIGAVCSPL-CVIPSDDVMLPENITADTLEHW 1470
DB 2851 EIEYTCNBGFLLGARSVCLANGSWSGATPCVPRCATP-----QLANGTEGLDYGF 2906
QY 1471 MEPPV-----VQSVCTGRQWHPDPVVLVHCIOSCP 1502
DB 2907 MKEVTFCHGYYILHGAPLKLTQSDGNMDA-----IPLCKP 2943

```

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RESULT 3
US-10-453-372-178
; Sequence 178, Application US/10453372
; Publication No. US2006003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A US/10/453,372
; CURRENT APPLICATION NUMBER: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/783776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 178
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-178
Query Match 3.9%; Score 332.5; DB 6; Length 3570;

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Best Local Similarity 19.7%; Pred. No. 9,4e-18;  
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

53 APTWAWKPEGGONNPAIAGVFNCSHT---VSD-KGMALGISGKDKGRDARFFFS 108  
1449 ALTCTFMKSSDDMYGTPISIAVDNDSNTLLTIDYNGVLYV-NGREK----- 1497  
109 LCTDRVKATLILISHRYOPGTWTHVAATY--DGRHMLLYD-----GTQVASSLDQ 158  
1498 -----ITNCPVNDGRMHIAITWTSTGAMRYIINGELSDGTGLSIGKALPG 1546  
159 SGPLNSPMASSRLILGGDSSEDEHYR-----GHGLTVFWSHAL-POSHFQSSQH 211  
1547 GG-----ALVLOQEDQKKEGFNPAPESFVGISIQNLMDYVLSPO--QVKSIA 1592  
212 SSGEATDLVLTASFEPVTEWVPR-----DEK-----YPRU----- 245  
1553 TSCPELSKGNVLA-----WPPFLSGIVKAKIDSKSTSCSPRLGSSVPHLRITAS 1644  
246 EVLQ-----GF-----BPER--ELSLPLOPL----- 265  
1645 EDLKRGSKVNLCEBGFOLVGNPVQCLNQGWQPLPHCRIRCGVPPPLENGFHSAD 1704  
266 --CGQTV--CDNVELISQYNGWYPLRGKVIYRQVANI CDDEGLNPYSEQILQIHA 320  
1705 FYAGSTVYQCN-----NGYLLGDSRM-----FCTDNGSMNGVSPSLDVDECA 1749  
321 LNEASRNISIMQVSHVOYHNSTLHRVVLVNCEPSKIGN-DHC-DP-ECE--HPLNG 374  
1750 VGSDCSEH--ASCLANDGS-----YICSCVPPYTGDKKCAPIKCAKPNBENGH 1798  
375 DGGDCRLQG-----RCYSWNRBDGLCHVEC-----NNMLANDPDDGCCDPQVADVKTIC 423  
1799 SSGEIVTVGAEVTFSCQEGYQMLGVTKITCLSESGEMHLL-----PYCKAV--SC 1846  
424 FDPDSPKAIVSVKLEKALQNLSTHPLNTYFASVREDIAGAAITWPKDAVTHLGIV 483  
1847 GKPAIBENG--CIEELAFTFGSKVYRCNKGYTLAGDKESSCLANSSWSHSP-----V 1898  
484 LSPAYYMGPHDTHIHEVGHVGLYHVFKGVSERESCNDRPKETVPMSMETDLCADTA 542  
1899 CBYKCSSPENNN-----GKY-IUSGLTYISTASYS-C-DGYSLQGSITECTHS 1947  
543 -----PTPKSELCREBEPSTDTG--GFTFRPGAPETNYSTYDNDCTDNFTPNQVA 591  
1948 GIMDRAPACHLVFGGEPRAIDAVITGNFT-----FRNTVYLT--CKEGYTLAGD 1998  
592 RMHCYLDLYVOQWTSRK--PTPIPIPPMVTIGQTNKSLITIMWLPPISSGVVTRASSGLC 648  
1999 TIECLAD--GKMSRSDQCLAVSCDEPIYVDHASP-E-TAH-----RLFGDIA 2042  
649 GACTEDGTFRQVYVHTASRRVCDSSGYVTPREAVGPPD-VDPCE--PSLQAMSPVHLXY 705  
2043 FYCYDGG--YSLADNSQLCNAGSKVPRPGQMPKRICIAFCCKEPRSVS-----Y 2090  
706 HMMNTVPCPTBECSSLELFFQHPVQADTLTLWTSPFMSSOVLPTTEILL-----NK 758  
2091 SI-----LESVSKAFPAAGS--VVSFCMEGFVL-NTSAKIECMRGQNNP 2133  
759 ESNHGLPDLTFCFDYLTITKLHVDGKVSQVYVTPBERI-----EIDALLTS 805  
2134 SPMSIQCIPIVRCGEBPSI--NNGYASGSN-YSGAMVAVYSCNKGFTYKGEKSTCEATG 2189  
806 OPHSLGSGCRPVYRQVLRDPFASGLPVVYTHSHRKFTDVEVTGQMYOVLABAGE 865  
2190 QMSSTIPI-CAFV-----SCGEPKXENGR-----LHTTGTGRTFESSVRQCNPG 2233  
866 LGEASPL-----NHNG-APY-----CG-----DGKYSERLGEBCDDG 899  
2234 YKSVSPVFCOANHHMSESFLMCVPLDCKRPPILQNGFMKGEMFVGSVKQFCNBEY 2293  
900 LVSGDGSKVCLEBGFNCVGEPSLCYMEGDGICEPPE-----RKTISIVDCG 947

2294 ELVGDG-SWTCQKSGKNNKSNPK-----CMPAKCEPPLBNQVLKELTTEVG 2342  
948 IYT--PKGYL-----DQWATRAYSHEDKKCPVSLVTGEPHSLICTSYHPD 992  
2343 VTFPSCKEKNHLOQPSVLKCLPQQW-----NDSPVCKXIVLCTPPE-----LISFCVP 2391  
993 LPN--HRPLTGMFPVCAS-----ENETODRSBQBPESGLKEDEW--LKVCFNRBEA 1042  
2392 IPSSALHFGSTVKSVCVGFPLRGNST-----TLCPDPQWSSPLREC----- 2434  
1043 RAIFILITDLVGEHQOP--TVTLYLTIVGNSHNSICTYGLSCQHN-PLIINYT--H 1096  
2435 -----VEBECQPEEIRNGIIDVOGLAY-LSTALYTKPGEVLVGNITTLTIGE 2481  
1097 HQNVLFHHTTSVLNFPSSPRVGSVAVALRTSSRIGLSAPNSCISEDQNHQOS--CI 1153  
2482 NGHMLGKPTCKALBCLKPKETLNGKFSYTDLHGFQVYTC--NNGFRLEGPSALTCL 2538  
1154 HRCQKQD-SCPSLLDHADVNTCTSIGP--GLMKCA-----ITCQGRPALQSS 1200  
2539 E--TGMDVDVAPS-----CNAIHCDSPQPIENGFEVGEADYSYGAIIYSCPPGFQVAGHA 2591  
1201 GOYIRPMQKEILITCSCSGHMDQNV-SCLPVDCVP-----DPS 1237  
2592 MQ-----TCBESGSSSIPTCMPIDCGLPRIHDFDCTKLDQGYFEQEDMM 2640  
1238 LVNY-----ANFSCSEGTG-----FL--KRCGISCVPPRAKQGLSPWLTCL 1276  
2641 EVPYVTPHPRIHAGVAKTMENTKESPATHSNLTLYGMVSYCNPGYELLG-NPVLICQ 2699  
1277 EDGLMSLEPVYC-KLECDAPRIILANULLPHCIQDNHDVCTICKYBEKPRGYVAESAEG 1335  
2700 EDGTWNGSAPSCISIECDLTPAPRNGFLRTET-----SMGSAVOYSCPKPHIILAGSD-- 2752  
1336 KVRMKLTKIOCLBEGGIEGOS--CIPVVCBPPPVFEG-----MYECTNGFS 1380  
2753 --LRL-CLERNKRSKASPRCEALISCKKPNVVMNGISNGYTYSLTYECDEPQY- 2804  
1381 LDSQVLNQNQERREKPLICTKBEGLWTOEFLCENTLOGECPPPSELN----- 1428  
2805 --VANGTERR-----TCDDKNWDEDEPIC--IPVDCSPVANSAGVRGDEYTRQK 2852  
1429 SVEIKCEQY-----GIAVCSPL-CVIFPSDPWMLPEVITADTLEHM 1470  
2853 EIEYTCNEGFLLEGARSVCANGSWSGATPDVCPVRCATPP--QLANGVTGLDYGF 2908  
1471 MEPRV-----VQSICTGRBROWHPDVLVHCIOGSCP 1502  
2909 MKEVTFHCHEGYIILHAPKLTQOSDGNMDE-----IPLCKP 2945

RESULT 4  
US-10-453-372-196  
; Sequence 196, Application US/10453372  
; Publication No. US2006003323A1  
; GENERAL INFORMATION:  
; APPLICANT: Alabrook, et al.  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD;  
; FILE REFERENCE: 21402-589 A  
; CURRENT APPLICATION NUMBER: US/10/453,372  
; CURRENT FILING DATE: 2003-06-03  
; PRIOR APPLICATION NUMBER: 09/789390  
; PRIOR FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 60/185967  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: 09/823187  
; PRIOR FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195792  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: 09/839446  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/199476  
; PRIOR FILING DATE: 2000-03-25

; PRIOR APPLICATION NUMBER: 09/863776  
 ; PRIOR FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: 60/208263  
 ; PRIOR FILING DATE: 2000-05-31  
 ; PRIOR APPLICATION NUMBER: 09/939398  
 ; PRIOR FILING DATE: 2001-08-24  
 ; PRIOR APPLICATION NUMBER: 60/227800  
 ; PRIOR FILING DATE: 2000-08-25  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 1609  
 ; SOFTWARE: Curation version 0.1  
 ; SEQ ID NO: 196  
 ; LENGTH: 3570  
 ; TYPE: PRN  
 ; ORGANISM: Homo sapiens  
 ; US-10-453-372-196

Query Match 3.9%; Score 332.5; DB 6; Length 3570;  
 Best Local Similarity 19.7%; Pred. No. 9, 4e-18;  
 Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY 53 APTVAMVPEGGQNPATIAAGVFNDCSHT---VSD-KGMALGIRSGKXKGRDAFFPS 108  
 DB 1449 ALTCTMMSDDMNTGPTISAVDNGSDNTLLTIDYNGVLYV-NGREK----- 1497  
 QY 109 LCTDRVKKATILISHSRYPGTWTHVAATY--DGRHMAIYD-----GTQVASSLDQ 158  
 DB 1498 -----ITNCSVNDGRMHAIITWTSYGAMRYINBELSDGGTGISGAITG 1546  
 QY 159 SGPPLSPMASCSLLIGDSDSEGHYFR-----GHLTGVWSTAL-POSHFQSSQH 211  
 DB 1547 GG-----ALVIGQEQDKKGFNPASFSVISQLNMDVLSFQ--QVKSIA 1592  
 QY 212 SSGEERATDLVLTASFEPVNTKVPFR-----DEK-----YPRU----- 245  
 DB 1593 TSCPEELSGKNVLA-----WDFLSGIVGKVIDSKSIFCSDCPRLGGSVPHLRTAS 1644  
 QY 246 EVLQ-----GF-----BEP-----ETISPLQPL----- 265  
 DB 1645 EDLPKPSKYNLPCEPQFOLVGNPVQCLANGQWQGLPHCERRCVPPPLBNGFHSAD 1704  
 QY 266 --CGQTV---CDNVELLSIQNGYMPLRGKRVIRYQVNI CDDEGLNPIVSEBQIRLOHEA 320  
 DB 1705 FYAGSTVTVQCN-----NGYLLGDSRM-----FCTDNGSNVNGVSPSCLDVDECA 1749  
 QY 321 LNEABSRNYSIMQSLSHOYHNSTLRHVLYVNGEBSKIGN-DHC-DP-ECE--HELTGY 374  
 DB 1750 VSDSCSEH-----ASCINLVDS-----YICSCVPYTGDKKCAPICKKAPGNEBNGH 1798  
 QY 375 DGDGCRLOG-----RCYSWNRADGLCHVFC-----NNMLNDPDGDCDQPVADVRKTC 423  
 DB 1799 SSGEITVTAQAEVTFSCQEGYQLMGVTKITCLBSGEMNHLI-----PYKAV--SC 1846  
 QY 424 PDPDSKRAVMSVKEIKALQLNSTHPLNIYPASVREDLAGAATPMDKAVTHLGIV 483  
 DB 1847 GKPAIPENG--CIEBLAFTFGSKVTRYCKMGKGYTLADKXSSCLANGSWHSPP-----V 1898  
 QY 484 LSPATYGMGCHDTMHEVGHVGLYHVKGVSERSSCDNPKKATYPSMETGDLCDTA- 542  
 DB 1899 CEPVKCSSPENINN-----GKY-IISGLTYLSTASVSC-DTQYSLOGSBIIECTIS 1947  
 QY 543 -----PTPKSELGCEPFTDTC-----GTFRFQAPFTNWSYTDNDCTDFTENOVA 591  
 DB 1948 GIMDRAPRACHLVFCGPRAIDAVTGNFT-----FRNTVYTY--CKEYITLAGID 1998  
 QY 592 RMECYLDLVYQWTSERK--PTPIPIPMVIGQTKSLITIMLPISGVVYDRASGLC 648  
 DB 1999 TIECLAD--GKWSRSDQCLAVSCDEPPIVDHASE--TAH-----RLFQDIA 2042  
 QY 649 GACTEGTROYVHTASSRVCDSGVTYVPEBAVGPDP--VDQPCF--PSLOAMSPVHLX 705  
 DB 2043 FYTCSDG---YSLADNSQLCLNAQKQWVPBEGQDMRCAIHCEKPSVS-----Y 2090

QY 706 HNMATVPCPTBGCSLELLEFQHPVQADTLTLMVTSFMESSQVLFDTLEILLE-----NK 758  
 DB 2091 SI-----LESVAKAFPAAGS-----VVSFKMGEGFLV-NTSAKIECMRGQONP 2133  
 QY 759 ESVHIGPLDTPCDIPLTITLGHADGKVSQVYTPDERI-----EIDALLTS 805  
 DB 2134 SPMSTOCIPVRGCEPSSI---NWGASGSEN-VSFGAMVAYSCKNGFYIKGKKSJTECAVG 2189  
 QY 806 OPHSPILSGCSPRVRYQVLDPPFASGLPVVYTHSRKFTDVEVTPQOMYOYOLABAGS 865  
 DB 2190 QWSSPILPT-CHPV-----SCGEPPKVENGF-----LHTTGRIESEVRYQCNPG 2233  
 QY 866 LGEASAPPL-----NHING-APY-----CG-----DQKYSERLAGEECDDG 899  
 DB 2234 YKVSQSPVVCQANRHMHBESPLMCPVLDGKRPPIQNGFMKGNEVSGKVQFCNBEY 2293  
 QY 900 LVSQDSCSVCELEBGFNCVGEPSLCTMYBGGIGEPPE-----RKTSLVDG 947  
 DB 2294 ELVQDS-SWTQCKSGKMNKSNK-----CMPACKPBPPLLENQVLKELTTEVG 2342  
 QY 948 IYT-----PKGYL-----DOMATRAYSHEDKKCPVSLVYGBPHSLITSYHD 992  
 DB 2343 VTFPSCKEGHVLQGPSVLKCLPSQW-----NDSFVCKIYLCTPP-----LISFGVP 2391  
 QY 993 LPN-----HRELTGMFPQVAS-----ENETQDDBSEQDEGSIXKDEYV--LKYCFNRPGEA 1042  
 DB 2392 IPSALHPSTYKSCVQGFPLRGNST-----TLQPDGQWSSPPLPC----- 2434  
 QY 1043 RAIFPLTLTDGLVPGEHQOP-TVTLXLTDVGRSNHSLGTYGSCQHN-PLIINV--H 1096  
 DB 2435 -----VPEBCQPEEIPNGIIDVQILAY-LSLALTYCKRPFELVGNITTLQGE 2481  
 QY 1097 HONVLEHHTTSVLANPSSPRVIGISAVALRTSIRIGISAPNSCISDEQNHQOS--CI 1153  
 DB 2482 NCHMLGKRPCTCAITCLKPKETLNGKFSYTDLYQGYTVSC--NRGRLEGPSSALTYL 2538  
 QY 1154 HRPCKQOD-SCPSLLIDHADVNVNCTSIGP--GLMKCA-----ITCQRFALQAS 1200  
 DB 2539 B--TGDMDVDAPS-----CNAIHCDSPQIEGPFEGADYSGALIIYSCFPQVAGHA 2591  
 QY 1201 GQYIRPMQKEIILLTSSGHWQNV-SCLPVDCGP-----DPS 1237  
 DB 2592 MO-----TCBESGMSSSIPTCMBIDGALPHIDFGDCTKLKDQGYEQBEDDM 2640  
 QY 1238 LVNY-----ANFSCSEGT-----FL--KRCISCVPAKLOGLSPMLTCL 1276  
 DB 2641 EYPIVTPHPHYLGAVALKVENTKESPATHSNFLYGTWSTICNPGIELG-NPVLICQ 2699  
 QY 1277 EDGLMSLPEVYC-KLECDAPPIILANILLPHCLDNHDVGTICKYCKPGYVVASAEG 1335  
 DB 2700 EDGTMNGSAPSCISIECDLPTAPENGFLRFTET-----SMSAVALSCRGHIIAGSD-- 2752  
 QY 1336 KVRNKLKIQCLEGGIWEQGS--CIPVCEPPPYVEG-----MYECTNGFS 1380  
 DB 2753 -----LRL-CLENKRWGASPRCEAISCKKPNPVNMGSIKSNYTYLSTLYECDPGY- 2804  
 QY 1381 LDOCVLANONORREKLPIITCBEGMLTQEFKCNLOGBCEPPPEBLN----- 1428  
 DB 2805 -----VINGTERR-----TQDDKNWDEDEPC--IPVDCSPVANSQVAGDEYTFQK 2852  
 QY 1429 SVAYKCEQGY-----GIGAVCSPL-CVIPSDDVMLPENTATDLBHM 1470  
 DB 2853 EIEYTCNBSFLEBARSVCLANGSMSGATPQCVVRCATRP-----QLANGTBEGLDYG 2908  
 QY 1471 MEPRK-----VOSIVCTGRQWHPDEVLVHCIOGCEP 1502  
 DB 2909 MKEVTFHCHEGYILHGAPELTCQSDGNMDAB-----IPLCKP 2945

RESULT 5  
 US-10-453-372-198  
 ; Sequence 198, Application US/10453372  
 ; Publication No. US20060003323a1

```
GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curoseq1.1 version 0.1
; SEQ ID NO 198
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-198

Query Match      3.9%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 9,4e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

53  AFTVAMVKEGQGNPPIIAGVPNCSHT---VSD-KGMALGISGKDKGRDARFFFS 108
Db  1449  ALITCFMKSSSDMNYGPRIISAUNDGSDNTLLITDYNQVLYV-NGREK----- 1497
QY      109  LCTDRVKKATLILISHRYQPGTWTVAAATY--DGRHMLAYD-----GTQVASSLDQ 158
Db      1498  -----ITNCPSVVDGRMHIAITWTSTGAMRVYINGELSDGTGSLKALPG 1546
QY      159  SGPLNSPMASSCRSLILGDSSESDGHYR-----GHGLTVFWSYAL-POGHFQHSQH 211
Db      1547  GG-----ALVLQGBODKKGEGFNPAESFVGSISQLMLMDVYVLPQ---QVKSILA 1592
QY      212  SSGEEATDVLVTASFEPTVTEWVPR-----DEK-----YPRL----- 245
Db      1553  TSCPELSKGNVLA-----WDPFLSGIVKAKIDSKISFCSCPRFGSSVPHILRTAS 1644
QY      246  EYLQ-----GF-----BEP- -BILSPLOPL----- 265
Db      1645  EDLKGSKVNLFCBEGFQLVGNPVQYCLNQGWQPLPHCFERICGVPPPLENGFHSADD 1704
QY      266  --CGQTV---CNVELISQYNGYVPLRGEKVIIRYOVANICDEGLANPIYSEQILQHEA 320
Db      1705  FYAGSTVYYQCN-----NGYLLGDSRM-----FCTDNGSMNGSPSCLDVDECA 1749
QY      321  LNEASRNISWQLSVHGVHNSTLRHRVVLVNCPEPSKIGN-DHC-DP-ECE---HPLVGY 374
Db      1750  VGSDCSEH-----ASCLAVDGS-----YICSCVPPYTGDKGNCAPIKCAKPNPENGH 1798
QY      375  DGGDCRLQG---RCYSWNRBDGLCHVEC-----NNMLANDFDDGCCDPCQADVAKTC 423
Db      1799  SSGEIVYTGAEVTFSCQEGYQLMGVTKITCLBSGEMNHLI-----PYCKAV--SC 1846
QY      424  FDPDSPPKAYNSVKELKELQUNSTHPLNTIYASSVREDLAGAATWPMDKADVTLHGLGIV 483
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Db  1847  GKPAIPENG--CIEBLAFTSSKTYRCNKGYTLAGDESSCLANSSWSHP-----V 1898
QY      484  LSPAYVKGPHGTDTHMEHGVHGLYHVFKVSRESQNDCKETVPMETGDLCAQTA- 542
Db  1899  CEPVWCSPEININN-----GKY-ILSGTLVISTASYS-C-PTGVSLQPSIIECTAS 1947
QY      543  -----PTKSELCREPEPTSDTC-----GTRPRGAPFTYMYASTDNCITDNPNOVA 591
Db  1948  GIWDRAPPACHLVPCGEPRAIKDAVITGNNT-----FRNTVITY-----CKEGYTLAQLD 1998
QY      592  RMHCYLDLVQOQWTSRK---PTPLIPPMVIGQTNKSLTJHMLPPIISGVVYDRASGLC 648
Db  1999  TIECLAD---GKMSRSDDQCLAVSCDEPPIVDHASP- -TN-----RUFEDIA 2042
QY      649  GACTEDGTFRQYVHTASSRRVCDSSGYVTPBEAVGPPD-VDQPCB- -PSLQAWSBEVHLV 705
Db  2043  FYCSGDG---YSLADNSQLCLCNAGKKNVPEGGDMPCIAHFCEKPPSVS-----Y 2090
QY      706  HMMNTVPCPTGCSLELLPQHPVQADTITLMTVTFMSSQVLDTEILLE-----NK 758
Db  2091  SI-----LESYSKAKFAAGS-----VVSFKMEGFVL-NTSAKIECMRGQGNP 2133
QY      759  ESYHGLPDTFCDIPLTIKLVGDKVSGVYVTFDERI-----EIDALLTS 805
Db  2134  SPMSIQCIPTVRCGEPSTI--MNGYASGSN-YSFGAMVAYCSNKGFTYKGRKSTCEATG 2189
QY      806  QPHSPKSGCRPVRYOVLRDPPFASGLPVVYTHSHRKTDEVTGQGYOYQVLAAGGE 865
Db  2190  QMSPIPT-CHPV-----SCGEPKVENGF--LEHTTGRIFESEVRVQCNPG 2233
QY      866  LGESAPPL-----NHIG-APY-----CG-----DGKSELSBECDGD 899
Db  2234  YKSVGSPVFCVCOANRHMHSBPLMCVPLDCGKPPPIONGFNKGFVGSVQVFFCNGY 2293
QY      900  LVSGDGSKVCELEBGFNCVGEPSLCVYBEGDICEBP-----RKTSLVDCG 947
Db  2294  ELVGDG-SWTOQKSGKNKKNK- ------CMPKCEPPLBNQVLKELTEVIG 2342
QY      948  IYT--PKGYL-----DOMATRAYSHEDKKKCVSLVYTGEPHSLICTSYND 992
Db  2343  VVTFSCKEGHVLAQSPVYLKCLPQQW-----NDSFVCKIVLCTPRP-----LISFCVP 2391
QY      993  LPN--HRPLTGMPPCAVS-----ENETODRSBQBSLKKEDEYV--LVCPNRPEBA 1042
Db  2392  IPSSALHFGSTVTKSCVGFPLRGNST-----TLCPDGTWSPPLPEC----- 2434
QY      1043  RAIFPLITDGLVGEHQD- -TVTLVLYTVRGSNHSIGTYGLSCQHN-PLIINYT--H 1096
Db  2435  -----VVEECQPEIRNGIIDVQGLAY-ISTALYTCRPGELVGNITTLGGE 2481
QY      1097  HONVLFHHTTSVLNLFSSPRVGISAVALRTSSRIGLSAPNSCISBEGQNHQGS---CI 1153
Db  2482  NGHWLGKPKTKAKELCKPKELNGKPSYTDLHGGVITYSC--NRGFRLEGPSALTCL 2538
QY      1154  HRPCKQD-SCPSLLDHADVNTCTSIGP--GLMKCA-----ITCQRPLOASS 1200
Db  2539  E--TGDMVDVDAFS-----CNAIHCDSPQPIENGVEGADYSYGAIIYSCPPGQVACHA 2591
QY      1201  GOYIRPMQKEILLTCSSGHPQDQV- -SCLPVDQGV-----DPS 1237
Db  2592  MQ-----TCESGMSSTIPTCMPIDCGLPRIHIDPDCRKLKADQGYFQEDBDM 2640
QY      1238  LVNY-----ANFCSBEGTK-----FL--KRCSISCVPAKIQGLSPWLTC 1276
Db  2641  EVPYVTPHPRYHGLAVAKTMENTKESPATHSNFLYGTVMVSYTCNPGYELLG- -NPVLICQ 2699
QY      1277  EDGLMSLEPVYC-KLECPAPPIIILANULLPHCIQDNHDVGTICKYBEKPRGYVAESABG 1335
Db  2700  EDGTWNGSAPSCISIECDLTPAPENGFARFTET-----SMGSAVOYCSPPHIIAGSD- - 2752
QY      1336  KVRNKLKILQCLBEGIWEQGS--CIPVYCEPPEPPEG-----MYECTNGFS 1380
Db  2753  -----LKL-CLERNKRSKSGASPRCEALISCKKPNFVWNGSINGSNITYTILTYECDFGY- 2804
```

QY 1381 LDSQCLANQREKLPILCTKEGLMTQBFKLCENLQSGCPPPESELN----- 1428  
DB 2805 -----VLNCTERR-----TCQDDKMDDEBPIC--IPVDCSSPPVANGVGDXYTPOK 2852  
QY 1429 SYEYKCEQCY-----GIGAVCSPL-CYIPPSDPMLENTTADTLEHW 1470  
DB 2853 ELEYCNBEGLLEGARSVCLANGSWSGATPDCVPVRCATPP-----QLANGVTEGLDYG 2908  
QY 1471 MEPPVK-----VQSVCTGRQWHPDPLVHNCIOSCP 1502  
DB 2909 MKEVTFHCHEGYTLGAPKLTQSGDGNWAE-----IPLCKE 2945  
RESULT 6  
US-10-453-372-200  
Sequence 200, Application US/10453372  
Publication No. US2006000333A1  
GENERAL INFORMATION:  
APPLICANT: Alsbrook, et al.  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
FILE REFERENCE: 21402-589 A  
CURRENT APPLICATION NUMBER: US/10/453,372  
PRIOR FILING DATE: 2003-06-03  
PRIOR APPLICATION NUMBER: 09/789390  
PRIOR FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 60/185967  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: 09/823187  
PRIOR FILING DATE: 2001-03-29  
PRIOR APPLICATION NUMBER: 60/195792  
PRIOR FILING DATE: 2000-03-10  
PRIOR APPLICATION NUMBER: 09/839446  
PRIOR FILING DATE: 2001-03-19  
PRIOR APPLICATION NUMBER: 60/199476  
PRIOR FILING DATE: 2000-03-25  
PRIOR APPLICATION NUMBER: 09/863776  
PRIOR FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: 60/208263  
PRIOR FILING DATE: 2000-05-31  
PRIOR APPLICATION NUMBER: 09/939398  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/227800  
PRIOR FILING DATE: 2000-08-25  
Remaining Prior Application data removed - See file wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1609  
SOFTWARE: Cnaseqdist version 0.1  
SEQ ID NO 200  
LENGTH: 3570  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-453-372-200  
Query Match 3.9%; Score 332.5; DB 6; length 3570;  
Best Local Similarity 19.7%; Pred. No. 9,4e-18;  
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;  
QY 53 AFTVAAMKPEGGONPAIIAGVPNCSHT---VSD-KGMALGINSKDKKGRDARFFPS 108  
DB 1449 ALTCTFMKSSDDMYGTPIISAVDNGSDNTLLTDYNGMVLVY-NGREK----- 1497  
QY 109 LCTDRVKATILISHSRVQGTWTVAATY--DGRHMAIYVD-----GTQVASSLDQ 158  
DB 1498 -----ITNCPVSVDGRMHIAITWTSGAMRYINGELSDGTGSLGKALPG 1546  
QY 159 SGPILSPFMAKRSLLIGDSSSDGHYFR-----GHLCGLVFWSTAL-POSHFOHSSQH 211  
DB 1547 GG-----ALVYGGBOQKKGEGFVPAESFVSGISQLMLMDVLSPO--QVKSIA 1592  
QY 212 SSGEERADLVLTASFEPTWTEWPPR-----DEK-----YPRU----- 245  
DB 1593 TSCPELSKGNVLA-----WPDFLSGIQVGVKIDSKISFPCSDCPRLGSGVPHLRAS 1644

QY 246 EVLQ-----GF-----BEP-----EILSELPOL----- 265  
DB 1645 EDLKPGSKVNLFCBPRFQVLVNPVQCLNQGWQTFPCBCTRIGCVPPPLENGFHASDD 1704  
QY 266 ---CGQTV---CNVELISQYNGYMLRGRKVRIRYQVNI CDDEGLNPIYSEQIRLQHEA 320  
DB 1705 FYAGSTVTVYQCN-----NGYTLIGDSRM-----FCTDNGSWNGVSPCLADDECA 1749  
QY 321 LNEAFSRVNIWSQLSVQVHNSLTLRHRYLVNCEPSKIGN-DHC-DP-ECE---HPLTGY 374  
DB 1750 VQSDCSER-----ASCLANDGS-----YTCSCVPPYTGDGKCAEPIKCAKPNENGH 1798  
QY 375 DGDGRLQ-----RCYSWNRBDGLCHVEC-----NNMLNDFDGDCCDPQVADVRKTC 423  
DB 1799 SSGEITYTGAAYTFQSGQEGYQLMGVTKITCLESGENHLI-----PYCKAV--SC 1846  
QY 424 PPDSPKRAYNSVKELKEALQNLNTHFLANTYASSVREDLAGAATWPMKDAVTHLGIV 483  
DB 1847 GKPAIENG--CIEBIAPTFGSKVYRCNKGYTLGDKKSSCLANSSWHSPP-----V 1898  
QY 484 LSPAYYGMPTDTMIMHEGVHGLYHVEKGVSEESCNDPCKETVPSMETGDLADTA- 542  
DB 1899 CEPVAKSSPENIN-----GRY-ILSGULTYISTASYSC-DYGYSLQGSIIJECTAS 1947  
QY 543 -----PTPKSELGREBEPTSDTC-----GFTFPGAPFTNYASYTDNCTDFTPNQYA 591  
DB 1948 GIWDRAPRACHLVFGGEPPALMDAVITGNFT-----FRNVVYLT--CKEGYTLAGD 1998  
QY 592 RMHCYLDLVYQWTSRK---PTPIPIPMVIGQNNKSLITIMLPISGVVYDRASGLC 648  
DB 1999 TIECLAD--GKMSRSDQCLAVSCDEPIVHNASPE-TAH-----RLFGDIA 2042  
QY 649 GACTEDGTFROYVHNASRRVCDSSGYMTEBAVBPD-VDPCE--PSLQAMSPVHLHY 705  
DB 2043 FYTCSDG---YSLADNSQLCNAQKVPPEGQMPRIACIHFCEPSSVS-----Y 2090  
QY 706 HNMWTPCPTBEGSELLEFQHPVQADTLTLWTSFPMSSQVLPTEILLE-----NK 758  
DB 2091 SI-----LESVKAFAPAGS-----VSVKCMGEFPL-NTSALIECMRGQMP 2133  
QY 759 ESVHGLPDTFCDDIPLTKLHVDGKVSQVKTTPERI-----EIDALLTS 805  
DB 2134 SPMSIQCIPIVRGSEPSI---MNGYASGSN-YSFAMAYAVSCKKGFYIKGEKSTCEAAG 2189  
QY 806 QPHSPICGCRPVRRQVLRDPPASGLPVVYHSHRKTVDVTEPGWQVQVLAAGE 865  
DB 2190 QMSSPITP-GRPV-----SCGEPKVENGF-----LEHTTGRIPESSVRYQCNFG 2233  
QY 866 LGEASPL-----NHIG-APY-----CG-----DGKYSERLGEBCDDGD 899  
DB 2234 YKVSQSPVYVQOANRHMHSBSLMLCVPLDCGPPPIQNGFMKGENFVQSKYQFPCNCGY 2293  
QY 900 LVSQDGSKVCLEBGFNCVGBPSLCYMBGDGICEPPE-----RKTISVDG 947  
DB 2294 ELVYGD-SWTCQKSGKMNKKSMPK-----CMPAKCEPPLLENQLVLEKLTVEVG 2342  
QY 948 IYT-----PKGYL-----DWMATRAYSHEDKKKCPSLVYTGERSHLICSYHND 992  
DB 2343 VTFESCKGHVLYQGSVLKCLPSQW-----NDSFVCKI-VLCTPP-----LISFGVP 2391  
QY 993 LPN---HRPLTGMFPCVAS---ENETQDDBSEQEGSLKDEYV---LKYCFNRPGBA 1042  
DB 2392 IPSALHFGSTVYKCYCGVGFPLRGST-----ILCQPDGQWSSSLPFC 2434  
QY 1043 RAIFLELTLDGLVGEHQOP-TVTLVLTDVRCNSHSLGTYGLSCQHN-PLIINV---H 1096  
DB 2435 -----VPEBCQPEBIPNGIIVQGLAY-LSTALYTKRPFELVANTTLGCE 2481  
QY 1097 HONVLFHHTTSLVNLNFSRPRVQISAVALRTSRIQLSPNSCISDSBQONOGOS---CI 1153  
DB 2482 NGHWLGGKPTCAIECLRPKEKLNKFSYTLHLYQQTLYTYS--NRGRLEGPALTC 2538  
QY 1154 HRPCKQD-SCPSILLDHADVNVNCTSIGP---GLMKCA-----ITCQGFALQASS 1200

Db 2539 E-TGDMVVDAS- - - - - CNAIHCDSPQIENGFEAGADYSALITIVSCFPGFQVAGHA 2591  
Qy 1201 GOYIRPMQKEILLTSSGHWQDNV-SCLPVDGVP- - - - - DPS 1237  
Db 2552 MQ- - - - - TCESGMSISFTCMPIIDGGLPHIDFGDCTLKXDDQGFEBEDMM 2640  
Qy 1238 LVNY- - - - - ANFSCSEGT- - - - - FL-KRCSISCVPAKLOGLSFWLTCL 1276  
Db 2641 EVPYTPHPYHLGVAKTWENTKESPAHSSNPLYGMVSYTCNPGYELLG-NPVLICQ 2699  
Qy 1277 EDGLMSLEPVYC-KLECAPPILIANLPHICLODNHDVGTICKECKPGYVAESABG 1335  
Db 2700 EDGTWNGSAPSCISIECDLPAPENGFLRFTET- - - - - SMSGAVYSCKPGHILAGSD- 2752  
Qy 1336 KVRNKLTIQICEGSIWEGS- - - - - CIPVCEPPPPVPEG- - - - - MYECTNFGS 1380  
Db 2753 - - - - - LRL-CLLENKMSGASPRCAISCKKPNPMNGSIKSNTYTLSTLYEEDPGY- 2804  
Qy 1381 LDSQVLNCONERKLPILCTKEGLMTQEFKLCENLGECPPPSBLN- - - - - 1428  
Db 2805 - - - - - VLANGTERR- - - - - TCQDDKNWDEDEPIC-IPVDCSSPPVSAANGQVAGDEYTFQK 2852  
Qy 1429 SVEYKCEGQY- - - - - GIGAVCSFL-CYIPPSDVMLPENTADLTSHW 1470  
Db 2853 EIEYTCNCGFLLEGARSRYCLANGSWSGATPDCVPRCATPP- - - - - QLANGVTEGLDYGF 2908  
Qy 1471 MEVPK- - - - - VOSIVCTGRROWHPDPVLVHICIOSCEP 1502  
Db 2909 MKEVTFHCHEGTYLHGAPRLTQSDGNMDAE- - - - - IPLCKP 2945

## RESULT 7

US-10-453-372-204  
Sequence 204. Application US/10453372  
Publication No. US20060003323a1

## GENERAL INFORMATION:

APPLICANT: Alisobrook, et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD

FILE REFERENCE: 21402-589 A

CURRENT APPLICATION NUMBER: US/10/453,372

CURRENT FILING DATE: 2003-06-03

PRIOR APPLICATION NUMBER: 09/789390

PRIOR FILING DATE: 2001-02-23

PRIOR APPLICATION NUMBER: 60/185967

PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 09/823187

PRIOR FILING DATE: 2001-03-29

PRIOR APPLICATION NUMBER: 60/195792

PRIOR FILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: 09/839446

PRIOR FILING DATE: 2001-03-19

PRIOR APPLICATION NUMBER: 60/199476

PRIOR FILING DATE: 2000-03-25

PRIOR APPLICATION NUMBER: 09/863776

PRIOR FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: 60/208263

PRIOR FILING DATE: 2000-05-31

PRIOR APPLICATION NUMBER: 09/939398

PRIOR FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: 60/227800

PRIOR FILING DATE: 2000-08-25

Remaining Prior Application data removed - See file wrapper or PAM.

NUMBER OF SEQ ID NOS: 1609

SOFTWARE: Curaseq1st version 0.1

SEQ ID NO 204

LENGTH: 3570

TYPE: PRT

ORGANISM: Homo sapiens

US-10-453-372-204

Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

Qy 53 AFTYBAWYKPEGQNNPAILIAGVFNCSHT- - - - - VSD-KGMALGIRSGDKKRDARPPFS 108  
Db 1449 ALTCTFMKSSDDMNVTGPISAVDNGSDNTLLTDYGMVLYV-NGREK- - - - - 1497  
Qy 109 LCTDRVYKATILLISHRKYPQPTWTHVATY- - - - - DGRHMLAYVD- - - - - GTQVASSLDQ 158  
Db 1498 - - - - - ITNCPVYNDRMHIALITWTSTGAMRVYINGELSDGCTLSIGKALPG 1546  
Qy 159 SGPLNSPMACSRSLILGDSSEBDGNYR- - - - - GHGLTVLFWSTAL-POSHFQSSQH 211  
Db 1547 CG- - - - - ALVIGQEDDKGEGNPAESFVGSISQALMDYVLSQ- - - - - QVKSILA 1592  
Qy 212 SSGEBAATLVLTASFEPVNTWVFR- - - - - DEK- - - - - YPRL- - - - - 245  
Db 1593 TSCPEELSKGNVLA- - - - - WPDFLSIGVKKYIDSKSIFCSDDCPRLGSSVPLHRTAS 1644  
Qy 246 EVLQ- - - - - GF- - - - - EPEP- - - - - EILSPLOPL- - - - - 265  
Db 1645 EDLRKGSKVNLFCEBGFQLVGNPVQYCLNGQWTOPLHCRIRICGVVPLENGFHSAD 1704  
Qy 266 - - - - - CDNYELLISQYNGWPLRGEKVIRYQVNNICDEGLNPIVSEQIRLOHEA 320  
Db 1705 FYAGSTVYQCN- - - - - NGYILGDSRY- - - - - FCTDNGSNVGSFSCLDVDECA 1749  
Qy 321 LNEAFSRYNISWQSVHQNHNSTLRHVVLVNCEPSKGN-DHC-DP-ECE- - - - - HPLTGY 374  
Db 1750 VGSDCSEH- - - - - ASCLNVDGS- - - - - YICSCVPYVGDGDKCAEPFKCARAPENGH 1798  
Qy 375 DGGDCRLQG- - - - - RCYSMNRDGLCHVE- - - - - NNMAMDPPDGDCCDQVADVRTIC 423  
Db 1799 SSGELTYTVGAETVPSQCGQYQIMGVTKITCLSEGBWNHLI- - - - - PYCKAV-SC 1846  
Qy 424 FDPDSPKRAYMSVKEKALQLNSTHFLNIYFASVREDLAGAATWMDKDAVTHAGIV 483  
Db 1847 GKPAIPENG- - - - - CIBELATPSSKYTRCKNKGYTLAGDESSCLANSSSHSP- - - - - V 1898  
Qy 484 LSPAYYMGPHDTMHEGVHGLYHVFKVSSERESCNDCPKETVPSMETGDLCAQTA- 542  
Db 1899 CEPVXCSSENNIN- - - - - GKV-ILSGILTYLSTASVSC-DTGVSLQGSIIETCTAS 1947  
Qy 543 - - - - - PTPKSELCREPEPTSDTC- - - - - GTRPFGAFTYMYASTDNCNTDNFTPNQVA 591  
Db 1948 GIMWRAPACHLVFEGEPRAIKDAVITGNNT- - - - - FRNTVYT- - - - - CKEGYTLAGD 1998  
Qy 592 RMHCYLDLVQOQWTSRK- - - - - PTPIPPMYIGQTNKSLTHIMLPRIISGVVYDRASSGLC 648  
Db 1999 TIECLAD- - - - - GKMSRSDQCLAVSCDEPPIVDHASP- - - - - TMM- - - - - RLFGDIA 2042  
Qy 649 GACTEDGTFRQYVHTASSRRVCDSSGYWTPBEAVGPPD-VDPCE- - - - - DSLQAMSPVHLX 705  
Db 2043 FYCGSDG- - - - - YSLADNSQLCNAGKWPPEGQMPRIAHFCBKPPSVS- - - - - Y 2090  
Qy 706 HMMNTVPCPTBEGSIELLPQHPVQADTLTLWTSFPMSSQVLPBTLELLE- - - - - NK 758  
Db 2091 SI- - - - - LESVSKAKFAAGS- - - - - VVSCKNEGFVL-NTSAKIECMRGQGNP 2133  
Qy 759 ESVHGLPDTFCDDIPLTKLHVQKVSQVKTTPDERI- - - - - EIDALILTS 805  
Db 2134 SPMSIQCTIPVKGEPSTI- - - - - MNGYASSN-YSPAMAYACNKGFIKGEKXSCENTG 2189  
Qy 806 QPHSPLCGSGCRPVRYQVLRDPFASGLFVVYTHSHRKETDVEVTPGMYQYQVLAEGGE 865  
Db 2190 QWSSPIPT-CHPV- - - - - SCGEPKVENGF- - - - - LEHTTGRIPESEVRVQCPNG 2233  
Qy 866 LGEASPL- - - - - NHING-APY- - - - - CG- - - - - DGKYSERLGEBCDDGD 899  
Db 2234 YKSVGSPVFCQANRHMHSBPLMCVPLDCGPPPIQNGFMKGFENFVGSKVQFPCNBEY 2293  
Qy 900 LVSQDGSQVCELEBEGFNCVGPBPSLCMYBEGDICEPPE- - - - - RKTSLVDCG 947  
Db 2294 ELVQDS-SWTQKQSGKMKKSNPK- - - - - CMPAKCEBPPLLENQVLKELTTEVG 2342

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Qy 948 IYI-----PKGYL-----DQWATRAVASHEDKCKCPVSLVYGBPHSLICTSYHPD 992
Db 2343 VTFSCCKSHVLAGPVSJLKLCPSSQW-----NNSPVCCKVLCTPRP-----LISFGVP 2391
Qy 993 LPN---HRLTWPCFVNS---ENETQDRSEQPEGSLKKEDEW---LKYCFNRPEGA 1042
Db 2392 IPSSALHFGSTVYKVGFPPLRGNSI-----TLCQPDGTWSSPLPRC----- 2434
Qy 1043 RAIFLFLTLGLVPGSHQOP-TVTLVTLVDRGSMNSLGYGSLCOHN-PLIINVT-----H 1096
Db 2435 -----VVEECPOPEBIPNGCILDVQGLAY-LSTALYTCRKGFEPLVGNVITTLGCE 2481
Qy 1097 HONVLFHTTSTVLNFPSPRPGISAVALTSRISGLAPNSCISEDEGQNSQOS---CI 1153
Db 2482 NGHWLGGKPTCKAICLCKRKEILNKFSTYDLHYQTVYVSC---NRGRLEGPALVITL 2538
Qy 1154 HRPCKGKOD-SCPSLLIDHADVNVCTSIGP---GLMKCA-----ITCQGFALQASS 1200
Db 2539 E--TGDMDVDAVS-----CNAIHCDSPQPIENGFEAGADYSYGAIIYSCFPGFVAGHA 2591
Qy 1201 GOYIRPMCKEILLTSSGHHMDNV-SCLPVDCGVP-----DPS 1237
Db 2592 MQ-----TCEESGSMSSSIPTCMPIDCGLPPIIDFGDCTKLDQGYFEQEDDM 2640
Qy 1238 LVNY-----ANFSCSEGTG-----FL--KRCISICVPAKLOGLSPMLTCL 1276
Db 2641 EVPYTPHPHILGAVAKTWTESPRATHSSNFXLGTWVSTCNPGYILIG-NPVLICQ 2699
Qy 1277 EDGLWSLBEVYC-KLECDAPPIILANILLPHCLDNDHVGITCKYCKRPGYVVASBAG 1335
Db 2700 EDGTWNGSAPSCISIECDLPTAPENGFLAFET-----SMGSAVQSCXPHILAGSD-- 2752
Qy 1336 KYRNLKIKICLEGIGWEGS--CIPVCGEPPEPVPEG-----MYECTNGS 1380
Db 2753 -----LRL-CLENKRWGASPRCEAISCCKPNPWNNGSIKSNNTYIISTLYEEDCPGY- 2804
Qy 1381 LDSQCLNCOBEREKLPICTREGLMTQBFKLCENLOGCEPPEPSELN----- 1428
Db 2805 -----VLNGTERR-----TCQDDKXWDEBEPIC--IPVDCSSPPSANSQVAGDEYTPOK 2852
Qy 1429 SVEYKCEQGY-----GIGAVCSPL-CVIPSDDPVMLPENTADTLEHM 1470
Db 2853 ELEYTCNBSGFLLEGARSRVCLANGSWGATPPCVPRCATPP-----QLANGVTEGLDYGF 2908
Qy 1471 MEPRY-----VGSIVCTGRQWMPDVLVHCLQSCRP 1502
Db 2909 MKEVTFHCHEGYILHGAPELTCQSDGMDAE-----IPLCRP 2945

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## RESULT 8

```

US-10-453-372-206
; Sequence 206, Application US/10453372
; Publication No. US20060003323a1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776

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; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PAM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curoseqelist version 0.1
; SEQ ID NO 206
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-206

Query Match      3.9%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 9,4e-18;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

53 APTVAMVPEGGONPAIIAGVFNCSHT---VSD-KGMALGIRSGKGRDARFPS 108
Db 1449 ALCTFPMKSSDDNNYGTPISTAVDNGSDNTILLIDYNGMVLVY-NGREK----- 1497
Qy 109 LCTDRVKKATILISHRYQPGTWTHVAATY--DGRHMLVYD-----GTQVASSLDQ 158
Db 1498 -----ITNCPVNDGMHMLAITWSTGAMRYINGELSDGTGLSIGALIPG 1546
Qy 159 SGPILNSPFMACSRSLILGDSSEGDHYR-----GHGLTVFWSTAL-POSHFOHSSQH 211
Db 1547 GG-----ALVLGQEBODKKGEGFNPAESFVGSISQMLMDYVLSFQ---QVKSIA 1592
Qy 212 SSGEATDVLVTFASFEPNTEWVPR-----DEK-----YPRL----- 245
Db 1593 TSCPELSKGNVLA-----WDFLSGIYKVKIDSKSIFSCPCRLGSGVPHLRTAS 1644
Qy 246 EVLQ-----GF-----EPR-ELSLPQLP----- 265
Db 1645 EDLKRGSKNVLFCEBGFQVLGNPVQYCLNGQWQTPPLPCHERICRGVPPLENGFHSAD 1704
Qy 266 --CGQTV--CDNVELISQYNGYMPLRGKRYRYOVVNICDEGLNPIYSEQIRLOHEA 320
Db 1705 FYAGSTVYQCN-----NGYVLLGDSRM-----FCTDNGSWNGVSPCLVDECA 1749
Qy 321 LNEAFSRNISMQLSVHGVHNSLTLRHVVLVNCESPKIGN-DHC-DP-ECE--HPLNGY 374
Db 1750 VGSDCSEH-----ASCLANDGS-----YICSCVPEPYTGDKCAEPIKCAKAPNENCH 1798
Qy 375 DGGDCRLQG-----RCYSWNRDGLCHVEC-----NNMLANDPDDGCCDPQVADVRLKTC 423
Db 1799 SSGELIYTVGAEVTFSCQSGYQLMGVTKITCLESGEMNHLI-----PYCKAV--SC 1846
Qy 424 FDPDSPKAYMSVKELKALQLNSTHPLNITYASSVREDLAGAATWPKDAVTHLGIV 483
Db 1847 GKPAIPENG--CIERLAFTFGSKVYRCNKGYTLGADKSSCLAANSSWSHSP-----V 1898
Qy 484 LSPAYMGHGTDMIHVGHVTLGLYHFKVGSRESCNDPCKETVPSMETEDLCADTA- 542
Db 1899 CEPVCKSSPENINN-----GRY-IUSGLTVLSTASVSC-DIGVSLQGPSIIBCTAS 1947
Qy 543 -----PTPKSELCREPEPTSDTC-----GFTRFPGAFTNMYSTDNCTDNFTPNQVA 591
Db 1948 GIWDAAPRACHLVFGGERPAIDANITGNPT-----FRNTVYTL-----CKSGYTLAGID 1998
Qy 592 RMHCYLDLVYQOWTESRK--PTPIPIPMVIGQTNKSLITHTMLPPIGCVYVDRASGLIC 648
Db 1999 TIECLAD--GKMSRSDQCLAVSCDEBEPIDVHASP--TAA-----RLFGDIA 2042
Qy 649 GACTEDGTFROYVVAASRVVCDSSGYWTPREAVGPP-VQOPCE--PSLQAMSEVHLY 705
Db 2043 FYCGSDG-----YSLADNSQLCNAGQKVPPEGQMPKCIATFCCKPFSVS-----Y 2090
Qy 706 HNMNTVPCPTEGCSLELLFOHPVQADITLWVTSFFMESSQVLFDEILAE-----NK 758

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Db 2091 SI-----LESVSKAFPAAGS---VVSFKCEGFLVLTNTSAKIBEMRGQNNP 2133
QY 759 ESVHLGPDTCDDPLITIKLHVDCGKGVKVTTPDERI-----EIDAAIITS 805
Db 2134 SPMSIQCLPVGCEPSSI---MNGYASGSN-YSFAMVAVSGNKFYIKGEKSTCEATG 2189
QY 806 QPHSLGCGCRPVRYQVLRDPPASGLPVVTHSHRKTLDVAVTQGVQVLAAGE 865
Db 2190 QMSPIPT-CHPV-----SCGEPKVENGR-----LEHTTGRIJESVRVQCNP 2233
QY 866 LGESAPPL-----NHIG-APY-----CG-----DGKVSERLGECDGD 899
Db 2234 YKSVGSPVFCQANRHMSESPKMCVPLDCCGKPPITQNGFMKGEMVGVSKVQFPCNBY 2293
QY 900 IYSGDGCSCVCELEEGFNCVCEPSPSLCYMEGDCICEPFE-----RKTISVDCG 947
Db 2294 ELVGDG-SWTCQKSKKMKKSNPK-----CMRPAKCEPPLLENQVLAKELTTEVG 2342
QY 948 IYV---PKGYL-----DQWATRAVSHEDKKKCPVSLVTGEPHSLICTSYHD 992
Db 2343 VYTFSCKEGHVLCQSPVLKCLPSCQM-----NDSPFVCKIVLCTPP-----LISFQVP 2391
QY 993 LPN---HNPILGMFPCVAS-----ENETQDDRSEQEGSLKXEDVW---LKYCFMRPBEA 1042
Db 2392 IPSALHFGSTVYKSCVCGFPLRGNST-----FLQPDGTWSSPPLPFC----- 2434
QY 1043 RAIFILTTDLGVPEHOOP-TVTLVYLDVRSNHSLSLYGSCQHN-PLIINVT---H 1096
Db 2435 -----VPEECQPEIPIINGIIDVGLAY-LSTALYTCRPGELVANTTTLLGE 2481
QY 1097 HONVLFHHTTVLLNFPSSPRVIGISAVALTSSRIGLSAPNSCISDEGONHOGOS---CI 1153
Db 2482 NGHMLGKPTCAIECLKPEKILNGKFSYTDLYQVTVYSC---NRGRLEPGSALTCL 2538
QY 1154 HRPCKOP-SCPSLLDHDVNVCTSIGP---GLMKCA-----ITCQGFLOASS 1200
Db 2539 E--TJDMVDVADS-----CNAIHCSPQPIENGFEAGADYSYGAIIYSCFPGQVAGHA 2591
QY 1201 GOYIRPMQKEILLTSSGHHMDONV-SCLPVDGCVP-----DPS 1237
Db 2592 MO-----TEBESGMSSSIPTCMPIIDCGLPRIHIDFGCTKLKDDQGFEBEDMM 2640
QY 1238 LVNV-----ANFSCSEGTK-----FL-KRCSISCVPPAKLOGLSPMLTCL 1276
Db 2641 EYPPVTPHPYHLAGVAKTMENTKESPATHSSNPLYGTWVSYTCNPGYELIG-NPVLICQ 2699
QY 1277 EDGLMSLEBYVC-KLECDAPPIILANLIPHCLODNHDVGTICKECKPQYVABSAAG 1335
Db 2700 EDGTWNGSAPSCISIECDLPTAPENGFLFTET-----SMGSAVOYSCKPHIILGSD-- 2752
QY 1336 KYRNRLKIKIOGEGIMEQGS--CIPVVCSEPPPVFEG-----MYECTNGFS 1380
Db 2753 -----LRI-CLBNKWSGASPRCAISCKKNPWNMSIKSNTTYLSTLYEEDPGY- 2804
QY 1381 LDSQCLVLCNQRERKLPILCTKEGLMTORFKLCENLOCECPPPSELN----- 1428
Db 2805 -----VLANGTER-----TCQDDKNMDEDEPIC-IYVDCSSPVSANQVGVDEYTFQX 2852
QY 1429 SVEYICEGQY-----GIGAVCSPL-CYIPPSDPMLEPENTADLTLEHW 1470
Db 2853 ELEYTCNCEGFLLEGARSRYCLANGSWSGATPDCVPRCATPP-----QLANGTEGLDYGF 2908
QY 1471 MEPRV-----VQSIYCTGRQMHDPVLVHICQSCRP 1502
Db 2909 MEVTFHCHGEYILHGAFLTCQSDGNDAE-----IPLCKP 2945

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RESULT 9  
 US-10-453-372-202  
 ; Sequence 202, Application US/10453372  
 ; Publication No. US20060003323A1  
 ; GENERAL INFORMATION:

```

; APPLICANT: Alasbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
; SEQ ID NO 202
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-202

Query Match 3.8%; Score 331.5; DB 6; Length 3570;
Best Local Similarity 20.0%; Pred. No. 1,1e-17;
Matches 354; Conservative 211; Mismatches 608; Indels 601; Gaps 107;

QY 53 AFTEAWYKPEGGQNNPAILIAGVFNCSHT---VSD-KGMALGIRSGDKKRDARFFFS 108
Db 1449 ALTCFWMKSSDDMNWGPISVAVDNGSDNTLLTLDYNGWLVYV-NGREK----- 1497
QY 109 LCTBRVKKATILLISHSRQPGTWHVATY--DGRHALYVD-----GTQVASSIDQ 158
Db 1498 -----ITNCPSVNDRMHIALITWTSGAMRVYINGELSDGSLSIGALPG 1546
QY 159 SGLNPFMACSRSLILGDSSEDOHYFR-----GHGLTVFWSTAL-POSHFQHSQH 211
Db 1547 GQ-----ALVQEQDDKKGEFNPABSFVGSISQALMDYLSPO---QVKSIA 1592
QY 212 SSGEEATDVLVLTASFEPVNTWVPR-----DEK-----YPRL----- 245
Db 1593 TSCPELSKGNVLA-----WPDFLSGIVGKVIKIDSKSIFCSDCPRLGASVPHLRTAS 1644
QY 246 EYVQ-----GF-----EPER---EILSPLOPL----- 265
Db 1645 EDLKPGSKVNLFCBERGFQLVGNPVQYCLNQGOWTQPLPCHCRRIRRCVPPLENGFSAD 1704
QY 266 ---CGQTV---CDNWELLISQYGYWPLRGKVIYRQVNVNICDEGLNPIYSEQRILQHEA 320
Db 1705 FYAGSTVYQCN-----NGYTLGDSRM-----FCTDNGSMNGVSSGCDVDDECA 1749
QY 321 LNEAFSRYNISQWLSVHQVHNSTLRHRVVLVNCBPSKIGN-DHC-DP-ECE---HPLTGY 374
Db 1750 VGSDCSEH---ASCLAVDS-----YICSCVPPTYGDGKCAEPIKCAKAPGPERGH 1798
QY 375 DGGDCRLQ-----RCYSMNRRDGLCHVEC-----NNMLNDFDDGDCCDQVADYKTC 423
Db 1799 SSGRIYTVGAETVFCQGGYQLMGVTKITCLESGERMHLI-----PYCKAV--SC 1846
QY 424 FDPSPKRAYMSVKEIKALQLNTHPLNITYFASVSRDLGAATWPKDAVTHLGGIV 483
Db 1847 GKPAIPENG--CIEELATFSGSKYVTRCNKGTYTLAGDESSCLANSSWSHSP-----V 1898

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QY 484 ISPAYGMPGHTDTHIEVGHVLTGLYHVKVSKRESKNDPCKEYVPSMETDLCADVI- 542
DB 1899 CERVACSSPENINN-----GKY-LISGLYLISTASTASC-DICYSIQSGSIIECTAS 1947
QY 543 -----PTPKSELCREPEPTSDTC---GTRFPGAPPTNTMSYTDNDCTNFTPNQVA 591
DB 1948 GIMDRAPACHLVFCGEPFPAIDAVITGNFT-----FRNTVYTY-CKEGYTLIAGLD 1998
QY 592 RMHCYLDLVYQOOWTSRK---PTPIPIPMVIGQTKSLTIHMLPPISGVYVDRASGLC 648
DB 1999 TTECLAD---GKMSRSDQOCLAVSCDEPTVDHASE-TAH-----RLFGDIA 2042
QY 649 GACTEDGTFROYVHTTASRRVCDSSGYWTPBEAVGPPD-VDOFCE--PSLOAMSPVHLX 705
DB 2043 FYCGDQ-----YSLADNSQLCLNAQOKWTPREGQMDPRCIARCEKPEVS-----Y 2090
QY 706 HMMNTVPCPTBEGSLLELFQHPVQADTLTLWTSFPMSSQVLPTEILLE-----NK 758
DB 2091 SI-----LESVKAKFAAGS-----VVSFKCMGFVL-NTSAKIECKRGQGNMP 2133
QY 759 BSVHGLPDTPCDIPITLTHADKVKSGVYVTPDERI-----RIDALLTS 805
DB 2134 SPMSIQCIPIVRCGBPSI---MNGYASGSN-YSFGAMVAYSCNKGFIKGEKKSCTCATG 2189
QY 806 QPHSPLCSGCRPVRYQVLDPFPAAGLPVYVYTHSHKFTDVEVTPGOMTQOVLAEAGB 865
DB 2190 QMSSTIPT-CHV-----SCPEPKVENG-LEHTTCRIRESVRYQCNCG 2233
QY 866 LGEASPL-----NHIHG-APY-----CG-----DGKVSRLGEBCCDGD 899
DB 2234 YKSVGSPVPCOANRHMHSPLMCPVRLCGKRPPIQNGFMKGNEVSGSKVQFCNEGY 2293
QY 900 LVSOGGCSVVCLEBGFNCVGPBSCVMEGDCICPEF-----RKTSLVDG 947
DB 2294 ELVGD-SWTCQSGKGNKSNPK-----CMPACCPBPPLLENOLVKELTEVG 2342
QY 948 IY-----PKGYLDQWAT--RAYSHEDKCKCPV-SLVYSGPHSLICTSYHDLPN---HRP 998
DB 2343 VYTBCKEGBHVLCGSRVLCPLSQOMNDSPFVCKIVLCAPPLI--SFQVPPSSALHNG 2400
QY 999 LTMGPFCVAS-----ENETODDRSEOBEGSLKKEDEWV---LKVCFNRPGBARAIFILTT 1051
DB 2401 STVKSVCVGFPLRGNT-----TLQPDGTWSPPLPEC----- 2434
QY 1052 DGLVGEHQO-PTVLYLTDVAGSNHSLGTGLSCQHN-PLIINY----HQNVLPHHT 1105
DB 2435 ---VVEPCQPEIPIINGIIDVOGLAY-LESTALYTCRPFELVGNITTLGEGHMLGGRP 2490
QY 1106 TSVLNFSSPRVIGISAVALTSTRIGLSAPNSCISEDEGONHOGS---CIHRPCGKOD- 1161
DB 2491 TCKAIECLKPKKILNKESYTDLHYQYTYTSC---NRGFRLEGFBALCTLE--TGDWY 2545
QY 1162 SCPSLLDADVYVCTSIGP---GLMKCA-----ITCORGPALQASQGYIRPMOK 1209
DB 2546 DAPS-----CNMHCOSPQPIENGFBGADYSGALIIYSCFPGFQVAGHAQO----- 2593
QY 1210 ELLITCSSGHWDON-SCLPVDCV------DPSLVNY----- 1241
DB 2594 ---TCEBSGWSISSIPTCMPIDCGLPALIDFGDCTKLKDQGYFEQEDMMEVPTTPHP 2649
QY 1242 ---ANFCSRGTK-----PL--KRCISICVPAKLOGLSPMLCTLEDGLSLDE 1285
DB 2650 PHLGAVAKTMENTKESPAITHSSNFIYGTWVSTTCNPGYELG-NVVLCOEDGTWNGSA 2708
QY 1286 VYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYCKPGYVVAESAGVRNKLKXI 1344
DB 2709 PCISIECOLPTABENGLRFTET-----SMGSAVYCKCPGHIILAGSD-----LML 2755
QY 1345 QCLEGGIWEQS--CLPVCEPPPYFEG-----MYECTNFSLDSQCVLNC 1389
DB 2756 -CLERNKWSGASPRCAISCKKKNPVMNGSINKSNYTLSTLYECPGY-----VLNG 2808

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QY 1390 NOERKPLILCTYKGLWTOEFLCENLOCECPPPSEIN-----SVEYKCEG 1437
DB 2809 TERR-----TCDDKMWDEDEPIC--IPVDCSSPVVANSANGVDEYTFQKEIERYCNBG 2861
QY 1438 Y-----GIGAVCSPL-CVIRPSPVWLPHKITADTLEHMBPVK----- 1475
DB 2863 FLLEGARSRVCLANGSWGATPDVVRCAATP-----QIANGVTGLDYGFMKEVTEFHCH 2917
QY 1476 -----VQSIVCTRGRCWHPPVPLVHCIOSECP 1502
DB 2918 EGYIHLGAPKLTQOSDGNWDAE-----IFLCKP 2945

RESULT 10
US-11-116-939-6
; Sequence 6, Application US/11116939
; Publication No. US20050265995A1
; GENERAL INFORMATION:
; APPLICANT: Stephen Tomlinson
; TITLE OF INVENTION: TISSUE TARGETED COMPLEMENT MODULATORS
; FILE REFERENCE: 19113.0115U2
; CURRENT APPLICATION NUMBER: US/11/116,939
; PRIOR FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: 60/565,907
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2048
; TYPE: PR
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
; US-11-116-939-6

Query Match
Best Local Similarity 19.1%; Pred. No. 1,9e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 233 EWVFP-----RDE-----KYRLLEVLOGFPEPELISPLQPL-----CGQTVCDN 273
DB 56 EWLPPARPNTLDEREPFIGHTLYNTECRPGYGRPFSSICLNKSWTGAKDCRRKSCRN 115
QY 274 -----VELISQNGVPLRGEVYIRQVNICD--DE 303
DB 116 PDPVNGVHVYKGIQFSGQIKYCTKGYRLIGSSSATCIIISGDTVIMDNETPICDRLPC 175
QY 304 GLNPVISEQIQLQHEALNEAF---SRYNISWQLSVHQVHNSTLRRHVVLVANCSEPKIGN 360
DB 176 GLPPIIT-----NGPISITNRENFH-----GSVTTYCNROSSGR 211
QY 361 D-----HCDECEHPLTGYDG--DCRLQRCYSANRRDGLCHVECNM--LND 405
DB 212 KYFELVGBRSYICTSNDQ--VGIMSGAPCIIIPKCTPPVENGILVSDNRSLFSLNR 269
QY 406 FDDGC-----C-----DQVADVKTCTPDPSPKAYMSVKEIKALQJN 446
DB 270 VVEFPQDPGFVWKGRVYVQALNFKMBELPSCSVCCPPDVLAH-----BETQND 321
QY 447 STHP---INIVASSVREDIAGATW-----PMKDAVT-----HLGIVLS 485
DB 322 KNFSPQGEVVFYSCBPYDLRGAASMRCTPOGDMPPAATCEVKSQDDMGQLNGRVLF 381
QY 486 PAVYGMPTHTMIEVGHVLTG--LYHVKG-----VSSRESQNDCKEKTVP- 531
DB 382 PVNLQIAKVDVCEBGLKSSASAYCVLAGMESLNMSSVVCQIFC--FSPVPIPMG 439
QY 532 METG-----DLCAD-----TAPTEKSEL- 549
DB 440 RHTGRLVFPFGKAVNTCDHPDRTGTSFDLIGSTJRTCTSPQANGVWSSPAPRCGIL 499

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QY 550 --CREPE-----PTSITCGFTRFP--GAPFTNMYSTYDNDCTDNF-- 585
Db 500 GHCPDHFHFLAKLTQTNASDPFGTSLKYECREBEYGRFPS-----ITCLDNLVMS 552
QY 586 TPNOVABHCHVDLVYQOMTESRKPTPIPIPMV-----IGOT 623
Db 553 SPKODCK-----RKSKCTPPDPVNGMVITDIOVGSINYSTTGHRLIGHS 600
QY 624 NKSLTI-----HM-LPP1-----SGVYDRAAGSLCGACTEDGTFOYVHTAS--SHRV 669
Db 601 SAECILSNAHMSWKPIQRIPCGLPPTIANGPFI-----STNRNENFHSGVYVTRC 654
QY 670 CDSGYTPEEAVGPDDV-----DQCBPSLOANS-BEVALYHNMVTPCPTBECSELEL 722
Db 655 NPGSGRKVPFELVGPISYCTSNDDQ-----VGIMSGAPQCIIPNKCTPPRIVE----- 703
QY 723 LFGHPVQADTLTWTSTFFMESOYLFDTEILLE--NKESYHLAGPLDTPCIDIPLTIKHL 779
Db 704 -----NGILVSDNRSLFSLNEVEFRCPQGFVMKGPBRVYKCO----- 740
QY 780 VDGKVGKVVYTFDERIBIDALLTSOPHSPLCSG-CRPVRVQVLRDPPFASGLPVVYTH 838
Db 741 -----ALNKMPELPSCSRVCP-----PPDVLH 764
QY 839 SHRKFTDVE-VTPGMYQYQVLAEGEL-GEAS--PPLNHHGAPYCG----- 883
Db 765 AERTORDKDNFSPQGEVFFYS--CEPGYDLRGAASRCTPQGDWSPAAFTCEVKSCHDDFWG 822
QY 884 ---DCK---VSERLGER---CDDGDVLSGDCS-----KYCE----- 911
Db 823 QULNRVLPVNLQJGAKVDYCDGDFOLKSSASVYVLAGMESIMNSVFPCEQIFCPBS 882
QY 912 -----LB-----BGFNCVGPST-CYM-YEGDEI----- 933
Db 883 PPVLPNGRHTGPELVPFPGKAVNTCDHPDRGRSPDLIGESTIRCTSDPGQNVWSSP 942
QY 934 -----CE-----PFERKTSIVDCGIYT-----PKGY-----LDQMATR 961
Db 943 APRCGILGHCPDHFHFLAKLTQTNASDPFGTSLKYECREBEYGRFPSITCLD--NL 999
QY 962 AYSSHEED---KKKC---PVSIVGEBHSL-----CTSYHPLDPMNR----- 997
Db 1000 WSSSPKDVCKRKSCTPPDPVNGMVITDIOVGSINYSTTGH-RLIGHSSABCIISG 1058
QY 998 -----PLTGMPCC-----VASENETQDRESQEGSLKKEDEWMLKVCFNRPGEAR 1043
Db 1059 NTAHMTKPRICQRI-PCGLPPTIANGDPISTNRKNFHSV-----VTRYCMLGSRGR 1111
QY 1044 AIF-----IFLTDDG-----LVGEHQOPTV--LYLDVGRGSNHSL-- 1078
Db 1112 KVFELVGPISYCTSNDDQVGIMSGAPQCIIPNKCTPPVENNGILVSD--NLSLPSL 1167
QY 1079 -----CTYGLSGO-----NHPLIINVHQNVLFH--HTTSVLNPFSS 1114
Db 1168 NEVEFRCPQGFVMKGPBRVYKCOALNKWPELPSCSRVCPPELHGHSTHSHQDNFSP 1227
QY 1115 PRVGISAVALTSTSRIGLSAPRNCISSEDEGONHOGSCIHPPCGKQ-----DS 1162
Db 1228 -----GQEVFYS--ERGYDLRGAASH--CTQGDWSPAPARCAYVS 1266
QY 1163 CPSLLI--LDHADVNCTSIGPGLMKCAITCQGFALQASSGOYIRPMQKEIILLTSSSGHW 1220
Db 1267 CDDFLGQJPHGRLVPLNLQJG-AYKVSFVCDGDFRLKSGSVSH-----CYLVGRSLPW 1318
QY 1221 DONVS--CLPVDGCVDPSPSLVYANPSCSFG-TKFLKRGISICVP-----PAKLGSLPW 1272
Db 1319 NNSVAVCEHIFCPNP-PALINRHTGTPSGDIPYGEKISYTCDDPHDQMTNLIGEST- 1376
QY 1273 LTCLD-----GLMSLPEVYCKL-----EGDAPPIILNANILLPHCIQD--NHDVGTICKYE 1322
Db 1377 IRCTSDPHONGVWSSAPRCELSVRAHGKCTBEQPPAPPTIP--INDEPFGVGSINAE 1434
QY 1323 CKPGYVVAESABGKVNKLKIQCLEGGIWE--QSCCIFVVCBPPEPPVEGM----- 1372

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Db 1435 CRPGYF-----GMFISICLENLWSSVEDNCRKSCGPPPEPFGMVHINTDQ 1484
QY 1373 -----YECTNGFSL-----DSQCVLJNCQBEREKLPILCTKEGLTQERKLCENLOGECP 1422
Db 1485 FGSYVWNSCNGNFPRLIGSPSTTCLVSGNV-----TWDKAPICEIIL--SCEP 1530
QY 1423 PPSBLNS-----VEYKCEQYV-----IGAVCP 1446
Db 1531 PPTISNGDFYSNNRTPSPFNQTVVYQCHTGPGEOLPELVGBRSIYCTSKDQGVWSSP 1590
QY 1447 -----LCVIPP-SOPVMLPENIT--ADTLEHMEP-----YKQSIYCTGRARQWHP 1489
Db 1591 PPRCISTNKTCAPEYVENAIRVGNRSFFSLTEIRFCQPFVWVGSHTVCCQNGRM-- 1648
QY 1490 DPVLVHCIOSCP 1502
Db 1649 GPXLPFGCSRVCP 1661

RESULT 11
US-10-055-877-211
; Sequence 211, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tcherev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Rameeh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zetnusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Paturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eileen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vermet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Caeman, Stacie
; APPLICANT: Boldog, Perence
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055, 877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262, 892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263, 598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263, 799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264, 117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264, 139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264, 139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264, 478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263, 351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272, 870

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PRIOR FILING DATE: 2001-03-02  
PRIOR APPLICATION NUMBER: 60/275,990  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/275,927  
PRIOR FILING DATE: 2001-03-14  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 512  
SOFTWARE: Patent In Ver. 2.1  
SEQ ID NO 211  
LENGTH: 1574  
TYPE: PR  
ORGANISM: Rattus norvegicus  
US-10-055-877-211

Query Match 3.3%; Score 282.5; DB 6; Length 1574;  
Best Local Similarity 19.7%; Pred. No. 3e-14;  
Matches 297; Conservative 81; Mismatches 476; Indels 657; Gaps 86;

QY 338 QVNSTLRHV-----LVNCEPS-----KIANDHCEBCHPLTGYD 375  
DB 169 RAHNGGCGHRCVMTPGSYLCECKGFLHTDRTCLAISSCTLGNGCGQHCVQLTVTQH 228  
QY 376 GGGRCLOGRCYSNMRR-----DGLCHEGNNMLNPFDDGCCDP--QVADVAKTC 423  
DB 229 RCGCRPQYQJEDGRRCVRRSPCABNGGCMHIQBELRLAHG3--CHPEYQLAADKTC 286  
QY 424 FDDPSKRAVSVYELKEALQLNSTHPLNTYFASVVEDLAGAATWMDAVTHLGIY 483  
DB 287 EDVDE-----CALGLAQACHCLINTGSKVCYCH----- 315  
QY 484 LSPAYYGMPHTMTMHEVGHVIG-----LYHV-FKVSERESCNDECKETVPSMETGDL 537  
DB 316 -----AGVEIGADGRQCYRIEMERIVNSCEANGSGCHSGSTHTGFL 357  
QY 538 CA-----DTAPRKSELCRBPERSDTCGFTPRPG--APFTNMYSTD 578  
DB 358 CTCPRGYELDEDKTCIDIDCANSPCCQO-----ACANT--PGGYECSCFAGYRLMTD 409  
QY 579 -----DNCT-----DNFTPNQVAMHCYLDLVQOMTESRRKPTPI----- 613  
DB 410 GCGCEVDDECAAGGCGEHCNLAGSFQCFCEAGTFLDBDRGCTSLSESVVDLDRLP 469  
QY 614 ---PIPPMVIQNTKSLTITMLPPI-----SGVYDRAAGSLCAGCTEDGTFRQVYTAAS 666  
DB 470 FVAPRLPIHVALRBE-----LPRLPQDDVGAEEBAALRBE-----HILTE 511  
QY 667 RRYC-----DSSGYTPREAVG-----PPDV-----DOP 690  
DB 512 KFYCLDHSFGHDCSLTCDRCNGGTCPRGDGCDCPBGWGTIICNETCPDPTFGKNCSSP 571  
QY 691 -----CEPSLOA--WSPDVH----- 703  
DB 572 CTCQNGCTCDPVJGACRCRCPGSSAHGECDCPKGFTGKRCRKKCHCANRGRCHRLYGACL 631  
QY 704 ---LYHMMNTVPCPT-----EGCSLELLFQHPVQADTLTLMTVSFFMESSQVLFDEIILL 755  
DB 632 CDGGLVGRFCHLACRPAFGPGCS-----EDCLC 660  
QY 756 ENKESVHLGLDLPFCDIPLTIKLVNDKSVGVKVTYFDERIEIDALLISQSPSLCSGC 815  
DB 661 EOGHTRSCNPKDSC--SCKAGFOQ-----ERCOARCBESGFRFP-----GC 699  
QY 816 RPRVQVLARPPRPSAGLPPVVVTHSHRKFTDVEVTPQGMVYQVULABAGSELGASPLN 875  
DB 700 R-----HR-----CTCOPG-----VACDPVSGECRTPCPR-- 724  
QY 876 IHGAPYCGDKVBERLGEBCDDDLVSGDCSKVCELEBGNVGBEFLCYMTEGDIIC 935  
DB 725 -----GYGDEDCQGECPVGF--GVNCSGSC-----SCVGNP--CHRYTGBELCP 765  
QY 936 PPRKTSIYDCGILYTPKGYLDQWATRAYSSHEDKCKCPVSLVGBPHSLICTSYHDPLEN 995  
DB 766 P--GKTG-BDCGADCEBG--RWGLGC-----QELCPAC-----BRGASC----- 799

QY 996 HRPLTGMFPCVASENETODDRSEQPSGLKEDEVMVLCVFNRPGEARALFIFLTTDGLV 1055  
DB 800 -NETG-----TCLCPG-----FV----- 813  
QY 1056 PGEHQPTVTLVTLTVRGSNHSIGTTGLSCQHNPLIINTVTHQNVLFHHTTSVLNFPSSP 1115  
DB 814 -GSRCDTC-----SAGWYGTGCQICACANDH-----CDP 844  
QY 1116 RVGISAVALTSSRIGLSAPNSNCISDEGQNHGQSCIHPRC-----GKQDSCPILLD 1169  
DB 845 TTRCSCA--PGMTGLSCORAC--DSG--HMGPPCIR-PCNCSAGHNCADVSGCLC 895  
QY 1170 HADV-----VNCTS--IGPGL-MKCAITCORFALQASSGOYIRPMQKELIYLCSSGHW 1220  
DB 896 EAGYBPRGQSRQGYGSPSCQKC--REHGAACDHSG-----ACTCPAG-W 942  
QY 1221 -----DQNVSLPVDQGVDPBSLVYANFSGSEGTFLKRSISCVPPA 1264  
DB 943 RGSFCEHACPAFGFLDCDSAC--NCSAGAPCDAVTSGSICPAG--RWGPRCAOSCPPLT 998  
QY 1265 KLGSLPWLTLCLR-----DGL-----WSLPEVYCKLECDAPRIILNANL----- 1303  
DB 999 FGLNCSQICTCFNGASCDSVTGQCHCAPGMMGFT--CLQAC--PRLYGNQCHSCLCRN 1054  
QY 1304 -----LPHCLQDNHNVGTICYECKPGYVYVABKVRNKLKIQCLEGGI----- 1351  
DB 1055 GGRCDPILIGCTCPREMTGLACNECLPHYTAAGCQ-----LNSCLHGGICDRLTG 1106  
QY 1352 -----WE--QSSCIP--VCEBP-----PVPEBNY--EC 1375  
DB 1107 HCLCPAGMTGDKQSSCVSGTFGVHCEHCACRKGACHVTVGACRCPMRPHCEQAC 1166  
QY 1376 TNGFSLDSQCVLNCNBERELPLCTKBEGLMTOEFLCENLOGECPRPSELN-SVEYKC 1434  
DB 1167 PRGM-FGEACAQR-----LCPTNA-----SCHVTECKCPREFTGLSCQAC 1209  
QY 1435 BOGYIGAVCSPLCVIIPSPDPMVLPENITADTLEHM-MEYVKVQSIYCTGRROMHDPVL 1493  
DB 1210 QPG-TFGKXCHLCOCPG-----ETWACDPA--SGVCTCAAYHNGCL 1250  
QY 1494 VHCIO-----SCBP--QADNCDTINNRAYC--HYDGGCCSSTLSKRVLPFAADCD 1543  
DB 1251 QRCPSRGYRGCHEKICLNGCTCDPATGACYPAGFLGADCSLACPRGR--FGSC- 1305  
QY 1544 LDECTCRDPA 1554  
DB 1306 AHVCACRQGA 1316

RESULT 12  
US-10-453-372-192  
Sequence 192, Application US/10453372  
Publication No. US2006000323A1  
GENERAL INFORMATION:  
APPLICANT: Alcobrook, et al.  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS  
FILE REFERENCE: 21402-589 A  
CURRENT FILING DATE: US/10/453,372  
PRIOR APPLICATION NUMBER: 09/789390  
PRIOR FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 60/185967  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: 09/823187  
PRIOR FILING DATE: 2001-03-29  
PRIOR APPLICATION NUMBER: 60/195792  
PRIOR FILING DATE: 2000-03-10  
PRIOR APPLICATION NUMBER: 09/839446  
PRIOR FILING DATE: 2001-03-19  
PRIOR APPLICATION NUMBER: 60/199476  
PRIOR FILING DATE: 2000-03-25  
PRIOR APPLICATION NUMBER: 09/863776

PRIOR FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: 60/208263  
PRIOR FILING DATE: 2000-05-31  
PRIOR APPLICATION NUMBER: 09/939398  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/227800  
PRIOR FILING DATE: 2000-08-25  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1609  
SOFTWARE: CuroSeqList version 0.1  
SEQ ID NO 192  
LENGTH: 2050  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: (367)..(367)  
LOCATION: (367)..(367)  
OTHER INFORMATION: wherein Xaa may be any naturally occurring amino acid  
US-10-453-372-192

Query Match 3.2%; Score 278.5; DB 6; Length 2050;

Best Local Similarity 19.2%; Pred. No. 9.2e-14;  
Matches 243; Conservative 134; Mismatches 455; Indels 431; Gaps 68;

QY 410 DCCDPQVADVKTCPDPSPKAYMSV-----KELKEALQLNSTHFLNITYPASYREDL 463  
DB 18 DCCASNOR--SVGVSPSEPGVGLVVRFLRSSEKRNIRVGVTFFSSYTLAG--LDPI 73  
QY 464 AGAATPPKADAVTHLGGIVLSPAYYGMGHDTMHEGHVL---GLYHPKGVSEBE 519  
DB 74 ECLADGKMSRDOQCLA-----VSCDEPPIVDHASPEFAHRLFGDIARYGSDGSLAD 127  
QY 520 S-----CNDCKEVPSMETGDLCAADYAPRKSELCREPEPTS---DTGCFTRFPAPPT 571  
DB 128 NSQLCNAGKAVPVEGQMPRCI-----AHFCKPSPVSYSILESISKAKFAAGSVV 180  
QY 572 NYMSYTDNCTDNFTFNQVARNHCYLDVYQOMTESRKPTPIPIPMVIGQTKSLITHM 631  
DB 181 SF-----KMEGFLVNTSAKIEC--MRGGQWNP--PMSIDCIIVRCGE----- 220  
QY 632 LPPISGVVYDRASG--LGCATEDGTFOYVHTTASRRVCDSSGVTBEAVGPDDVD 689  
DB 221 -PP--SINMGYASGSNYSPGAWAYSCNKFYIKGEKSTCEATYGQMS-- 266  
QY 690 PCBPQLQAMSPVHLVHMNTVPCPTGEGSLELLFQHPVQADLTLMVTSFFEMSSQVLF 749  
DB 267 -----PIPT--C-----HPVSCGPPEVNGFLEHTTGRIF 295  
QY 750 DTEILLLENKESVHLGFLDTFCDIPLTIKLHVDGKSVGVKVTYFDERIEIDALLTSOPHS 809  
DB 296 ESEVRYQCNPGY-----KSYGSPVFV----- 316  
QY 810 PLCSGGRPRYQVLRP---PRASGLPVVYVTHSHKFTDVEY--TQGMVQYVLAAG 864  
DB 317 -----QANRHMHSBPLMCVPLDCKRPPIQNGFMKGNEFEVGSKGQFFCNGGLSPVG 371  
QY 865 E-----LGEASPLNTHIGAPYCGDGKYSBRLGECDDGDLVSGDGSKVCELEEG-- 915  
DB 372 DSWTQCKSGKNKKN-----PKCMRAK-----CEPPLLENQVLKELITTEGVV 418  
QY 916 -PNCVGEPSLCVYEGDGI--CEPFERKTSIVDCGIYTPKGYLDQWATRAYSHEDKKKC 972  
DB 419 TFSCKER---HVLQSPSVLKCIPSQ-----QW-----NDSFPVC 449  
QY 973 PVSIVTGEPSHLICTSYHPLP---HRPLTGMPCVYAS---ENEGQDRSQPPGSLK 1025  
DB 450 KIVLCITPPP---LISFGVAPISALHFGSTVYKSCVGFRLGNST---TLC 495  
QY 1026 KDEEVM---LKVCENPGEBAARAFILTTDGLVGEHQD--TVTLVLTLYDRGSNHSIGTY 1081  
DB 496 QPDGTWSSPLPEC-----VPECPQDBEKIPNGIIVQGLAY--LSTA 535  
QY 1082 GLSCQHN-PLIINVT---HHQNVLPHTTSLVLANFSSPRVGISAVALTSSRIGLSAPS 1136

DB 536 LYTCKPFGELVGNNTTLCGENGHWLGKPTCALECLPKKEILLNKESFTYTDLHYQOTVY 595  
QY 1137 NCISEDEGONHOGOS---CIRHPCGKOD--SCPSILLDHADVNCSTISGP---GLMKCA-- 1187  
DB 596 SC---NRGFRLEGFBALCTLE--TQDMVDNAPS-----CNMICHOSPPPIENGFFEGADY 645  
QY 1188 -----ITCORGFPALQASSGQYIRPMQKEILLTSSGHMDQNV--SCLPVDGVP----- 1234  
DB 646 SYGALIIYSCFPGFVAGHAMQ-----TCBESGWSISIPTCMPIDGCLPPHIDF 694  
QY 1235 -----PESLVNY-----ANFCSGSGTK-----FL--KRC 1256  
DB 695 GDCTKLKDDQGYFEQEDDMVEPVYTPHPRYHLGVAKTWENTKSPATHSNFLYCTMV 754  
QY 1257 SISCVPAKLOGLSPMLTCLBEDGLMSLPBVYC--KLECDAPPIILNANLLPRLCDNDHDV 1315  
DB 755 SYTCNPGYELLG--NVVLICQEDGTWNGSAPSCISIECDLPTAPENGFRLFTET-----SM 808  
QY 1316 GTICKYCKPQGYVAESABGKVRNLLKIQCLEGGIMEQGS--CLPVYCEPPPPYPEG-- 1371  
DB 809 GSAVQYSCKPGHILLAGSD-----LRL--CLENRKWSGASPRCAISCKKENPVMNGSI 859  
QY 1372 -----MYECTNGESLDSQCVLNCONOREKLPILCTEGKMTQEFKLCENLQGBEC 1420  
DB 860 KGSNTYTLSTLYEBCDPGY-----VLNGTERR-----TCQDDKNWDEDEPIC--IPVDC 906  
QY 1421 PPPSELN-----SVYKCEQGY-----GIGAVCSPL--CVI 1450  
DB 907 SSPVYSAHQVNGDEYTRQKELEYTCNBSGFLEGARSRYCLANGSMGATPPCVPRCAT 966  
QY 1451 PPSPDVMLEPNTIADTLEHMEPVK-----VOSIVTGRQMHPPDVLVHICIS 1499  
DB 967 PP-----QLANGVTEGLDYGFMKEVTFHGHEGYILHGAPLTQOSDGNDAE-----IPL 1016  
QY 1500 CEP 1502  
DB 1017 CKP 1019

RESULT 13

US-10-995-561-792  
Sequence 792, Application US/10995561  
Publication No. US20050272054A1

GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF

FILE REFERENCE: CL001559

CURRENT APPLICATION NUMBER: US/10/995,561

NUMBER OF SEQ ID NOS: 85702

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 792

LENGTH: 868

TYPE: PRT

ORGANISM: Homo sapiens

US-10-995-561-792

Query Match 3.0%; Score 259; DB 6; Length 868;

Best Local Similarity 23.0%; Pred. No. 9.8e-13;  
Matches 121; Conservative 59; Mismatches 168; Indels 178; Gaps 31;

QY 1085 COHNPILIINVT---HQNVLPHHTTSLVLANFSSPRVGISAVALTSSRIGLSAPNSCISE 1141  
DB 26 CQPPPIILGENTPSSHQD-----NFSF-----QGVTFYIC----- 55  
QY 1142 DEGONHOGOSCIHRPCKO-----DSCPSIL--LDHADVNCSTISGPGIMKCA 1187  
DB 56 EPGYDLRGAASLH--CTPGDWSPEARCAVNSCDPLQLPHGRVLPFLNQLG--AKYS 112  
QY 1188 ITCORGFPALQASSGQYIRPMQKEILLTSSGHMDQNV--CLPVDGVPDPSPVNVANFSC 1246

Db 113 FVCDREFLKSGSSVSH-----CYLVGRSLMNNVPCENHFCNPP-PAIINGHRTGT 164  
Qy 1247 SEG-TKFLRCSISICVP-----PATLOGLSPMLTCLD-----GLMSLEVVCKL----- 1290  
Db 165 PEGDIPYGEIBISTCDPHDRGHTFNLIGEST-IRCTSPHKGWSSAPRCELSVRG 223  
Qy 1291 ECDAPPIILANLLEPHCLQD-NHDVGTICKYECKPGYVABEGKVRNKLKIQCLB 1349  
Db 224 HCKTPEQPPASPTIP--INDFEFVGTSLNVECRGYF-----GKMSISICLEN 271  
Qy 1350 GWE--QSGCIPVCEPPPPVEGM-----YECTNGSL-----DSQCVLNC 1389  
Db 272 LVMSSVEDNCRKSCGPPPEPFMGVHINTQPGSTVYVSCNEGRLLGSPBTCTLVSG 331  
Qy 1390 NGBREKLPILCTKBEGLMTQBFKLCENLOGBCEPPPELSN-----VEYKC 1434  
Db 332 NNV-----TWKCAPICBII--SCBPPPTISNGDFYSNNRTSFRNGTAVTTC 377  
Qy 1435 EOGYG-----IGAVCSP-----LCVIPP-SDPVMLPENITA 1464  
Db 378 HNGPDEQLFBLVGERISYCTSDQVGVWSSPPRCISTNCTADEVENALRVPCNRSP 437  
Qy 1465 DTLHEHM-----EB-----YKQSVICTGRQMHDPVLVHCIOGCEP 1502  
Db 438 FTLTBIRRCQPGFVGVWVSHTVQCTNGRM--GPILPHCSRVQCP 481

## RESULT 14

US-10-995-561-955  
; Sequence 955, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 955  
; LENGTH: 790  
; TYPE: PRN  
; ORGANISM: Homo sapiens  
US-10-995-561-955

Query Match 2.9%; Score 253.5; DB 6; Length 790;  
Best Local Similarity 22.1%; Pred. No. 2.4e-12;  
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy 1149 GQSCIH-RPCGKQDSCPSLLDHDVNVCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1207  
Db 191 GPECYVRECGELBLPQHVLNCSHPLGNFSFN--SQCSFCTDGYQVNG-----PS 240  
Qy 1208 QKEILLTSSGHW-DQNVSCLPVDCGVPDPSLVYANFSCSGTFLKR-----CSTSC-- 1260  
Db 241 KLECL--ASGIWTKRPPQCLAQC--PPLKIPERGNMTCLHSARAFQHOSSCSFSCEBG 295  
Qy 1261 ---VPPAKLOGLSPMLTCLDGLMSLPEVYCK-LBC-----DAP-----PIILANL 1304  
Db 296 PALVGEVVQ-----CTASGVWTAAPVCAVQCOHLEABSEGMDCVHPLTAA-- 345  
Qy 1305 LPHCLQDNHDVGTICKYECKPGYVABEGKVRNKLKIQCLBGIWEO--GSCIPVVC 1362  
Db 346 -----YSSCKFECPQGY-----RVRG-LDMLRCIDSGHWAAPLPTCEAISC 386  
Qy 1363 EPPPPVFBGMVCT--NGFSIDSOCLVANCNO--REKLPILCTKEGLMTQBFKLCEN 1416  
Db 387 BFLBSPVHSGMDCSPSLRAFOYDTNCSFRCAGFMLRGADIVRCNMLGQWTAAPVCOAL 446  
Qy 1417 QGECPPPELSNVEYKCEQYG--IGAVCS-----P 1446

Db 447 QCOODLPV--NEARVNSHPRGAFRRYQSCFTCNBGLLVGASVLOCLATGMNNSVPP 503  
Qy 1447 LCVIPSPDVMLENITADTLHEHMEPVYVQS-----IVCTGRRO 1486  
Db 504 EGOALPCTPLBPPQNGTMC-----VQPLASSYKSTCQPTCDEGYSLSGPERLDCRSGR 559  
Qy 1487 WHPDVLVHCIOGCEPPQAD-GWCPTINR-----AYCHY--DGG-----DCCSS 1528  
Db 560 WTDSPMCEAIKCPBLFAPBEGSLDCSDTRGFNVGSTCHPFCNDGFKLEGPNVNECTTS 619

## RESULT 15

US-10-995-561-957  
; Sequence 957, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 957  
; LENGTH: 830  
; TYPE: PRN  
; ORGANISM: Homo sapiens  
US-10-995-561-957

Query Match 2.9%; Score 253.5; DB 6; Length 830;  
Best Local Similarity 22.1%; Pred. No. 2.5e-12;  
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy 1149 GQSCIH-RPCGKQDSCPSLLDHDVNVCTSIGPGLMKCAITCQGFALQASSGQYIRPM 1207  
Db 191 GPECYVRECGELBLPQHVLNCSHPLGNFSFN--SQCSFCTDGYQVNG-----PS 240  
Qy 1208 QKEILLTSSGHW-DQNVSCLPVDCGVPDPSLVYANFSCSGTFLKR-----CSTSC-- 1260  
Db 241 KLECL--ASGIWTKRPPQCLAQC--PPLKIPERGNMTCLHSARAFQHOSSCSFSCEBG 295  
Qy 1261 ---VPPAKLOGLSPMLTCLDGLMSLPEVYCK-LBC-----DAP-----PIILANL 1304  
Db 296 PALVGEVVQ-----CTASGVWTAAPVCAVQCOHLEABSEGMDCVHPLTAA-- 345  
Qy 1305 LPHCLQDNHDVGTICKYECKPGYVABEGKVRNKLKIQCLBGIWEO--GSCIPVVC 1362  
Db 346 -----YSSCKFECPQGY-----RVRG-LDMLRCIDSGHWAAPLPTCEAISC 386  
Qy 1363 EPPPPVFBGMVCT--NGFSIDSOCLVANCNO--REKLPILCTKEGLMTQBFKLCEN 1416  
Db 387 BFLBSPVHSGMDCSPSLRAFOYDTNCSFRCAGFMLRGADIVRCNMLGQWTAAPVCOAL 446  
Qy 1417 QGECPPPELSNVEYKCEQYG--IGAVCS-----P 1446  
Db 447 QCOODLPV--NEARVNSHPRGAFRRYQSCFTCNBGLLVGASVLOCLATGMNNSVPP 503  
Qy 1447 LCVIPSPDVMLENITADTLHEHMEPVYVQS-----IVCTGRRO 1486  
Db 504 EGOALPCTPLBPPQNGTMC-----VQPLASSYKSTCQPTCDEGYSLSGPERLDCRSGR 559  
Qy 1487 WHPDVLVHCIOGCEPPQAD-GWCPTINR-----AYCHY--DGG-----DCCSS 1528  
Db 560 WTDSPMCEAIKCPBLFAPBEGSLDCSDTRGFNVGSTCHPFCNDGFKLEGPNVNECTTS 619

Search completed: January 30, 2006, 15:31:40  
Job time : 26.6781 secs

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GenCore version 5.1.6  
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## OM protein - protein search, using SW model

Run on: January 30, 2006, 15:15:43 ; Search time 86.5297 Seconds

(without alignments)  
7523.174 Million cell updates/sec

Title: US-09-983-025b-2\_COPY\_234\_1791

Perfect score: 8612  
Sequence: 1 SPPESSNONGSGSYREAF.....AACDLDCTGRDPKAEENQ 1558Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBSCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBSCOMB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBSCOMB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBSCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBSCOMB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBSCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	8612	100.0	1791	US-09-983-025-2	Sequence 2, Appli
2	8592	99.8	1791	US-09-827-998-3	Sequence 3, Appli
3	8592	99.8	1791	US-10-675-685-3	Sequence 3, Appli
4	8263	95.9	1770	US-09-827-998-10	Sequence 10, Appli
5	8263	95.9	1770	US-10-675-685-10	Sequence 10, Appli
6	8126	71.1	1385	US-09-827-998-16	Sequence 16, Appli
7	8126	71.1	1385	US-10-675-685-16	Sequence 16, Appli
8	3916.5	45.5	1627	US-09-983-025-25	Sequence 25, Appli
9	3916.5	45.5	1627	US-10-295-027-663	Sequence 663, App
10	3916.5	45.5	1627	US-10-783-311-1	Sequence 1, Appli
11	3916.5	45.5	1627	US-10-741-600-1406	Sequence 1406, Ap
12	3916.5	45.5	1627	US-10-991-321-32	Sequence 32, Appli
13	3916.5	45.5	1627	US-10-887-229A-8	Sequence 8, Appli
14	3916.5	45.5	1547	US-10-783-311-2	Sequence 2, Appli
15	3909.5	45.4	1752	US-10-450-763-41497	Sequence 41497, A
16	3602	41.8	1420	US-10-741-600-1403	Sequence 1403, Ap
17	3602	41.8	1420	US-10-741-600-1405	Sequence 1405, Ap
18	3044	33.3	1232	US-10-741-600-1404	Sequence 1404, Ap
19	2219	22.0	858	US-10-334-143-85	Sequence 85, Appli
20	1893	22.0	704	US-10-741-600-1402	Sequence 1402, Ap
21	1086	12.6	192	US-09-864-761-34265	Sequence 34265, A
22	383	4.4	70	US-09-864-761-34264	Sequence 34264, A
23	360.5	4.2	165	US-09-864-761-42873	Sequence 42873, A
24	346.5	4.0	3567	US-10-028-248A-47	Sequence 47, Appli
25	346.5	4.0	3567	US-10-107-782-47	Sequence 47, Appli
26	336.5	3.9	3571	US-10-603-283-2	Sequence 2, Appli
27	336.5	3.9	3594	US-09-911-842-4	Sequence 4, Appli

28	336.5	3.9	3594	4	US-10-150-821-4	Sequence 4, Appli
29	334.5	3.9	3557	4	US-10-295-027-430	Sequence 430, App
30	334.5	3.9	3557	4	US-10-295-027-1297	Sequence 1297, Ap
31	332.5	3.9	3568	4	US-10-028-248A-8	Sequence 8, Appli
32	332.5	3.9	3568	4	US-10-107-782-8	Sequence 8, Appli
33	332.5	3.9	3568	4	US-10-028-248A-6	Sequence 6, Appli
34	332.5	3.9	3570	4	US-10-107-782-6	Sequence 6, Appli
35	330.5	3.8	3571	3	US-09-911-842-2	Sequence 2, Appli
36	330.5	3.8	3571	3	US-10-150-821-2	Sequence 2, Appli
37	324	3.8	63	3	US-09-864-761-34262	Sequence 34262, A
38	287.5	3.3	2039	5	US-10-741-600-1241	Sequence 1241, Ap
39	287.5	3.3	2039	5	US-10-450-763-30646	Sequence 30646, Ap
40	287.5	3.3	2034	4	US-10-276-774-2152	Sequence 2152, A
41	287	3.3	1947	5	US-10-742-887-52	Sequence 52, Appli
42	285	3.3	1929	5	US-10-450-763-30462	Sequence 30462, A
43	284	3.3	2489	3	US-09-911-842-5	Sequence 5, Appli
44	284	3.3	2489	3	US-10-150-821-5	Sequence 5, Appli
45	284	3.3	2489	5	US-10-741-600-1242	Sequence 1242, Ap

## ALIGNMENTS

RESULT 1  
US-09-983-025-2  
; Sequence 2, Application US/09983025

; Publication No. US20030124529A1

; GENERAL INFORMATION:

Query Match 100.0%; Score 8612; DB 3; Length 1791;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1558; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	SPPESSNONGSGSYREAFTRNSQVGLPIFYSGRRRLLRPEYLAIRPRAFTVEAV	60
DB	234	SPPESSNONGSGSYREAFTRNSQVGLPIFYSGRRRLLRPEYLAIRPRAFTVEAV	293
QY	61	KPEGQNNPATIAGVFNDCSHTVSDKGNALGIRSGDKGKRDARPFPSICTRVKKATL	120
DB	294	KPEGQNNPATIAGVFNDCSHTVSDKGNALGIRSGDKGKRDARPFPSICTRVKKATL	353
QY	121	ISHSRVQGTWTHVATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASSRLILGDS	180
DB	354	ISHSRVQGTWTHVATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASSRLILGDS	413
QY	161	EDGATFRHGLTGLVWSTALPOSHQSSQSSGSEKATDVLTLNFPVNTWPFDE	240
DB	414	EDGATFRHGLTGLVWSTALPOSHQSSQSSGSEKATDVLTLNFPVNTWPFDE	473

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QY 241 KYRPLEVLOGEPEPELISLPLOPLCGQTCQVNDVELISQINGWPLRGEKIRYQVANNIC 300
Db 474 KYRPLEVLOGEPEPELISLPLOPLCGQTCQVNDVELISQINGWPLRGEKIRYQVANNIC 533
QY 301 DDEGLNPIVSEBOQRILOHEALNEAFSRYNISWOLSVHQNSTLRHRVVLVNCPSKIGN 360
Db 534 DDEGLNPIVSEBOQRILOHEALNEAFSRYNISWOLSVHQNSTLRHRVVLVNCPSKIGN 593
QY 361 DHCPBCEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCPBCEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
QY 421 KTCGDPSPKRAYMSVYKELKALQUNSTHPLNITYPASVREDLAGAATWPDKXAVTHLG 480
Db 654 KTCGDPSPKRAYMSVYKELKALQUNSTHPLNITYPASVREDLAGAATWPDKXAVTHLG 713
QY 481 GIVLSPAYVGMPTDTHMEHGVHLGLYHFKVSVRESQNDCKETVPMENGDICAD 540
Db 714 GIVLSPAYVGMPTDTHMEHGVHLGLYHFKVSVRESQNDCKETVPMENGDICAD 773
QY 541 TAPTKSELGREPEPSTDTCGFTFRPGA.PFTNMSYTDNDCTDNFTPNQVAMHCYLDLV 600
Db 774 TAPTKSELGREPEPSTDTCGFTFRPGA.PFTNMSYTDNDCTDNFTPNQVAMHCYLDLV 833
QY 601 YQWTEBRKPTPIPIPMVIGQINKSLTIHMLPISGVYVDRASGSLCGACTBEDGTRQY 660
Db 834 YQWTEBRKPTPIPIPMVIGQINKSLTIHMLPISGVYVDRASGSLCGACTBEDGTRQY 893
QY 661 VHTASSRVCDSGSGYMPBEAVGPVDQDCEPSLOAMSPEVHL.YHNMVTPCTBEGSL 720
Db 894 VHTASSRVCDSGSGYMPBEAVGPVDQDCEPSLOAMSPEVHL.YHNMVTPCTBEGSL 953
QY 721 ELLEFQHVQADTLTLMYTSFPMSSQVLFDTIELLENKESVHLGLPDLFCDIPLTIKLAV 780
Db 954 ELLEFQHVQADTLTLMYTSFPMSSQVLFDTIELLENKESVHLGLPDLFCDIPLTIKLAV 1013
QY 781 DGKVSQVYKVTYFDERIIDIALLTSQPHSLCSGCRPRYQVLRDPPASGLPVVYVTHSH 840
Db 1014 DGKVSQVYKVTYFDERIIDIALLTSQPHSLCSGCRPRYQVLRDPPASGLPVVYVTHSH 1073
QY 841 RKPLDVVNTGQMOYQVUAGAGELGASPLNHNHIGAPCGSGKXSERLGEEDCDGDL 900
Db 1074 RKPLDVVNTGQMOYQVUAGAGELGASPLNHNHIGAPCGSGKXSERLGEEDCDGDL 1133
QY 901 VSGDGCRCVCELEBGFNCVCEPRLCYMYBGGDICEPERKTSIVDCGIYTPKGYLDOMAT 960
Db 1134 VSGDGCRCVCELEBGFNCVCEPRLCYMYBGGDICEPERKTSIVDCGIYTPKGYLDOMAT 1193
QY 961 RAYSHEDKCKCPVSLVTGEBPHSLICTSYHFDLFNHRPLTGMPCVASENETQDRSBOP 1020
Db 1194 RAYSHEDKCKCPVSLVTGEBPHSLICTSYHFDLFNHRPLTGMPCVASENETQDRSBOP 1253
QY 1021 EGSIXKEDVWMLKVCNRPGBARAIPLITLDGIVPGEHOQPTVTLVLTLDVRSNHSLSGT 1080
Db 1254 EGSIXKEDVWMLKVCNRPGBARAIPLITLDGIVPGEHOQPTVTLVLTLDVRSNHSLSGT 1313
QY 1081 YGLSCQNPPLIINTVHQNVL.FHHTTSVILNFSSPRVIGISAVALTSSRIGLSAPNSCIS 1140
Db 1314 YGLSCQNPPLIINTVHQNVL.FHHTTSVILNFSSPRVIGISAVALTSSRIGLSAPNSCIS 1373
QY 1141 EDBEQNHQGSCHIRPGCKODSCPSLLIDHADVVNCTSIGPGLMKCAITCORGFALQASS 1200
Db 1374 EDBEQNHQGSCHIRPGCKODSCPSLLIDHADVVNCTSIGPGLMKCAITCORGFALQASS 1433
QY 1201 GQYIRPMQKELLTTCSSGMDQNVNSCLPVDCGVDPSPVLVNYANFSCBGTGFLRCSISIC 1260
Db 1434 GQYIRPMQKELLTTCSSGMDQNVNSCLPVDCGVDPSPVLVNYANFSCBGTGFLRCSISIC 1493
QY 1261 VPPAKLOGLSPMLTCLBEGDGLSLPEVYCKLECDAPPIILANLILPCLIQDNHVDGTRICK 1320
Db 1494 VPPAKLOGLSPMLTCLBEGDGLSLPEVYCKLECDAPPIILANLILPCLIQDNHVDGTRICK 1553
QY 1321 YECKPGYYVASABGKVRNKLKIQCLBGIWEGQSCI.PVVCBPPPVFEGMYECTNGFS 1380
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Db 1554 YECKPGYYVASABGKVRNKLKIQCLBGIWEGQSCI.PVVCBPPPVFEGMYECTNGFS 1613
QY 1381 LDSQCVLNCQBERKLPILCTKEGLMTQEFKLECNLOGECPPEPSLEINSVEYKCEQYGI 1440
Db 1614 LDSQCVLNCQBERKLPILCTKEGLMTQEFKLECNLOGECPPEPSLEINSVEYKCEQYGI 1673
QY 1441 GAVCSPLCVI.PSDPVM.LPENITADTLTLEHMEPVKQSVYCTGRORMHDPVLVHCTIQSC 1500
Db 1674 GAVCSPLCVI.PSDPVM.LPENITADTLTLEHMEPVKQSVYCTGRORMHDPVLVHCTIQSC 1733
QY 1501 EPPQADQCDTINNRAYCHVDGDCSSSTLSSKKVLPFADCDLDECTCSDPKAEENQ 1558
Db 1734 EPPQADQCDTINNRAYCHVDGDCSSSTLSSKKVLPFADCDLDECTCSDPKAEENQ 1791

RESULT 2
US-09-827-998-3
/ Sequence 3, Application US/09827998
/ Patent No. US20020102252A1
/ GENERAL INFORMATION:
/ APPLICANT: Gu, Yizhong
/ TITLE OR INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
/ FILE REFERENCE: MDHMR-8
/ CURRENT APPLICATION NUMBER: US/09/827,998
/ PRIOR FILING DATE: 2001-04-06
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ NUMBER OF SEQ ID NOS: 1881
/ SOFTWARE: Aecomica Sequence Listing Engine
/ SEQ ID NO 3
/ LENGTH: 1791
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-827-998-3

Query Match 99.8%; Score 8592; DB 3; Length 1791;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1555; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNONGEGSYREAEFTNSQVGLPILYFSGRRELLLRPEVLAIEPREAFTYBAMV 60
Db 234 SPPEESNONGEGSYREAEFTNSQVGLPILYFSGRRELLLRPEVLAIEPREAFTYBAMV 293
QY 61 KPEGGQNNPAILIAGVFNPCSHYTSDKGMALGIRSGDKXGRDARFPFSLCTDRVKKATIL 120
Db 294 KPEGGQNNPAILIAGVFNPCSHYTSDKGMALGIRSGDKXGRDARFPFSLCTDRVKKATIL 353
QY 121 ISHSRYQPTWTVAAATYDGRHNALYYDGTQVASSLDQSGPLNSPFMASCRSLLAGDSS 180
Db 354 ISHSRYQPTWTVAAATYDGRHNALYYDGTQVASSLDQSGPLNSPFMASCRSLLAGDSS 413
QY 181 EDGHYFRGHLGTLVFNSTALPQSHFOHSSQHSSEEBEATDLVLTASFEPVNTKWPFRDE 240
Db 414 EDGHYFRGHLGTLVFNSTALPQSHFOHSSQHSSEEBEATDLVLTASFEPVNTKWPFRDE 473
QY 241 KYRPLEVLOGEPEPELISLPLOPLCGQTCQVNDVELISQINGWPLRGEKIRYQVANNIC 300
Db 474 KYRPLEVLOGEPEPELISLPLOPLCGQTCQVNDVELISQINGWPLRGEKIRYQVANNIC 533
QY 301 DDEGLNPIVSEBOQRILOHEALNEAFSRYNISWOLSVHQNSTLRHRVVLVNCPSKIGN 360
Db 534 DDEGLNPIVSEBOQRILOHEALNEAFSRYNISWOLSVHQNSTLRHRVVLVNCPSKIGN 593
QY 361 DHCPBCEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 420
Db 594 DHCPBCEHPLTGYDGDCLQGRCYSWNRDGLCHVECNMMLNDFDGDCCDPQVADVR 653
QY 421 KTCGDPSPKRAYMSVYKELKALQUNSTHPLNITYPASVREDLAGAATWPDKXAVTHLG 480
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Db 654 KTCFDPDSKRAVMSVKELKALQLNSTHFLNIFPASSVREBLAQAATTPMDKAVTHLG 713  
 Qy 481 GIVLSPAYYGMFGHTDTHIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540  
 Db 714 GIVLSPAYYGMFGHTDTHIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 773  
 Qy 541 TAPPKSELCKREPEPTSDTCGTRPGAPFTNMYSTYDNCNTDNFTPNQVARMHCYLDLV 600  
 Db 774 TAPPKSELCKREPEPTSDTCGTRPGAPFTNMYSTYDNCNTDNFTPNQVARMHCYLDLV 833  
 Qy 601 YQOMTESRKPPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGLSGACTBEDGTFROY 660  
 Db 834 YQOMTESRKPPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGLSGACTBEDGTFROY 893  
 Qy 661 VHTASSRRCVDSGSGYMTPEBAVPPDVDPCEPSLQAMSPEVHLYHMMNTVPCPTGEGSL 720  
 Db 894 VHTASSRRCVDSGSGYMTPEBAVPPDVDPCEPSLQAMSPEVHLYHMMNTVPCPTGEGSL 953  
 Qy 721 ELLFQHPVQADTLTIHMTSFFMESQVLPDTEILLENKESVHLGPLDTFCDIPLTIKLAHV 780  
 Db 954 ELLFQHPVQADTLTIHMTSFFMESQVLPDTEILLENKESVHLGPLDTFCDIPLTIKLAHV 1013  
 Qy 781 DGKVSQVAVYTFDEIEIDALLTSOPHSPICSGGRPVRYOVLADPPASGLPVVVTSH 840  
 Db 1014 DGKVSQVAVYTFDEIEIDALLTSOPHSPICSGGRPVRYOVLADPPASGLPVVVTSH 1073  
 Qy 841 RKFTDVEVTPGQMYOYVLAEGAELGEASPELNIHGAPYCGDGKVSERLQEGCDDGL 900  
 Db 1074 RKFTDVEVTPGQMYOYVLAEGAELGEASPELNIHGAPYCGDGKVSERLQEGCDDGL 1133  
 Qy 901 VSGDSCSVCELEBGFNCVGEPSLCYMEBGDICEPFEKRTSIYDGGIYTPKGYLDQWAT 960  
 Db 1134 VSGDSCSVCELEBGFNCVGEPSLCYMEBGDICEPFEKRTSIYDGGIYTPKGYLDQWAT 1193  
 Qy 961 RAYSHHEKXKCPVSLVYGEPSHLCSTYHPLPMHRLTGMPPCVASENENODRSRQ 1020  
 Db 1194 RAYSHHEKXKCPVSLVYGEPSHLCSTYHPLPMHRLTGMPPCVASENENODRSRQ 1253  
 Qy 1021 EGSLEKEDBVMLKVCFNRPGEARAFIFLTDDGLVPGHQPTVLYLTLYTVGSHSAGT 1080  
 Db 1254 EGSLEKEDBVMLKVCFNRPGEARAFIFLTDDGLVPGHQPTVLYLTLYTVGSHSAGT 1313  
 Qy 1081 YGLSCQNPPLIINTHQNVLPHHTTSVYLNFSFVGIISAVALTSSRIGLSAPNSCIS 1140  
 Db 1314 YGLSCQNPPLIINTHQNVLPHHTTSVYLNFSFVGIISAVALTSSRIGLSAPNSCIS 1373  
 Qy 1141 EDEGNHOGQSCIRHPCCKODSCPSLLDHDVNVCTSIGPLMCAITTCQGFALQASS 1200  
 Db 1374 EDEGNHOGQSCIRHPCCKODSCPSLLDHDVNVCTSIGPLMCAITTCQGFALQASS 1433  
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 Db 1434 GQYIRPMOKBILITCGSGHMDQNSCLPYDGVDPSPSLVNYANFSCSGTKFLKRCSTISC 1493  
 Qy 1261 VPPAKLQGLSPMLTCLBEGMWSLPEVYCKLECDAPPIILMANLILPHCLQDNHVDGTCIK 1320  
 Db 1494 VPPAKLQGLSPMLTCLBEGMWSLPEVYCKLECDAPPIILMANLILPHCLQDNHVDGTCIK 1553  
 Qy 1321 YECKRGYVVAASAEKRVNKLKICLOLGGIWEQSCIPVCCPEPPVPEBGTCTGNS 1380  
 Db 1554 YECKRGYVVAASAEKRVNKLKICLOLGGIWEQSCIPVCCPEPPVPEBGTCTGNS 1613  
 Qy 1381 LDSQCVLNCQREKLPILCTKEGIMTOBFLCENLQGBCPBPSELNSVEKCGQSGI 1440  
 Db 1614 LDSQCVLNCQREKLPILCTKEGIMTOBFLCENLQGBCPBPSELNSVEKCGQSGI 1673  
 Qy 1441 GAVCSPLCVIPSPDPMVLPENITADTLBHMPEPVQOSIVCTGRQOMHPDPLVHCIOSC 1500  
 Db 1674 GAVCSPLCVIPSPDPMVLPENITADTLBHMPEPVQOSIVCTGRQOMHPDPLVHCIOSC 1733  
 Qy 1501 EPPQADGWCITITNNRAYCHYDGGDCSSSTLSKSKIYPPAADCDLDECTCRPKAENQ 1558  
 Db 1734 EPPQADGWCITITNNRAYCHYDGGDCSSSTLSKSKIYPPAADCDLDECTCRPKAENQ 1791

RESULT 3  
 US-10-675-685-3  
 ; Sequence 3, Application US/10675685  
 ; Publication No. US20040063134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gu, Yizhong  
 ; APPLICANT: Shannon, Mark  
 ; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
 ; FILE REFERENCE: PB0114  
 ; CURRENT FILING DATE: 2003-09-30  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; NUMBER OF SEQ ID NOS: 1881  
 ; SOFTWARE: Aecomica Sequence Listing Engine  
 ; SEQ ID NO 3  
 ; LENGTH: 1791  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-675-685-3  
 Query Match 99.8%; Score 8592; DB 4; Length 1791;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 155; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 Qy 1 SPPEBSNONGEGSREAREFTNSQVGLPIYFSGRRELLRPBYLAIIPREAFVEMAV 60  
 Db 234 SPPEBSNONGEGSREAREFTNSQVGLPIYFSGRRELLRPBYLAIIPREAFVEMAV 293  
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 Db 294 KPEGQNNPAILIAGVDCSTHTSDKMGALGIRSGKDGKRDARPEFLCTDRVKKATIL 353  
 Qy 121 ISHSRYPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCSRLLGDS 180  
 Db 354 ISHSRYPGTWTHTVAATYDGRHMLYVDGTQVASSLDQSGPLNSPFMASCSRLLGDS 413  
 Qy 181 EDGHYFRGLGLTVFWSYALPQSHFQSHSSQHSGBEATDVLTLASFPVNTWVPFDE 240  
 Db 414 EDGHYFRGLGLTVFWSYALPQSHFQSHSSQHSGBEATDVLTLASFPVNTWVPFDE 473  
 Qy 241 KYPRLEVLCGFPEPEILISPLQPLCGQTVCDNVELLSQYNGWPLRGEKVIYQVAVIC 300  
 Db 474 KYPRLEVLCGFPEPEILISPLQPLCGQTVCDNVELLSQYNGWPLRGEKVIYQVAVIC 533  
 Qy 301 DDEGLNPIVSEEQRLQHEALNEAFSRYNISQMSVHQNSTLRHRVVLVNCPEPSKIGN 360  
 Db 534 DDEGLNPIVSEEQRLQHEALNEAFSRYNISQMSVHQNSTLRHRVVLVNCPEPSKIGN 593  
 Qy 361 DHCPBCEHPPLTGYDGGCRLQGRCYSWNRBDGLCHVECNMMLNDFDDGDCDDPVADVR 420  
 Db 594 DHCPBCEHPPLTGYDGGCRLQGRCYSWNRBDGLCHVECNMMLNDFDDGDCDDPVADVR 653  
 Qy 421 KTCFDPDSKRAVMSVKELKALQLNSTHFLNIFPASSVREBLAQAATTPMDKAVTHLG 480  
 Db 654 KTCFDPDSKRAVMSVKELKALQLNSTHFLNIFPASSVREBLAQAATTPMDKAVTHLG 713  
 Qy 481 GIVLSPAYYGMFGHTDTHIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 540  
 Db 714 GIVLSPAYYGMFGHTDTHIHEVGHVGLYHVFKGVSERESCNDPCKETVPSMETGDLCAD 773  
 Qy 541 TAPPKSELCKREPEPTSDTCGTRPGAPFTNMYSTYDNCNTDNFTPNQVARMHCYLDLV 600  
 Db 774 TAPPKSELCKREPEPTSDTCGTRPGAPFTNMYSTYDNCNTDNFTPNQVARMHCYLDLV 833  
 Qy 601 YQOMTESRKPPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGLSGACTBEDGTFROY 660  
 Db 834 YQOMTESRKPPIPIPPMVIQGTNKSLLTIHMLPISGVVYDRASGLSGACTBEDGTFROY 893

QY 661 VHTASSRRVCDSSGWTPEEAVGPDPVDQCEPSLQAMSPVHLVHNMVTPCETGCSL 720  
DB 894 VHTASSRRVCDSSGWTPEEAVGPDPVDQCEPSLQAMSPVHLVHNMVTPCETGCSL 953  
QY 721 ELFPQHVQADTLTLMTWTSFPMESSQVLPFTEILLNKESVHLGAPLDTFCDIPLTIKLVH 780  
DB 954 ELFPQHVQADTLTLMTWTSFPMESSQVLPFTEILLNKESVHLGAPLDTFCDIPLTIKLVH 1013  
QY 781 DGKVSQVYVTFPDERIIDAALLTSOPHSPLCSGCRPRVYQVLDPPFASGLPVVVTSH 840  
DB 1014 DGKVSQVYVTFPDERIIDAALLTSOPHSPLCSGCRPRVYQVLDPPFASGLPVVVTSH 1073  
QY 841 RKFTDVEVTPQOMQYQVYVLAAGELGASAPPLNHIGAPYCGDGKYSERLGEEDDGL 900  
DB 1074 RKFTDVEVTPQOMQYQVYVLAAGELGASAPPLNHIGAPYCGDGKYSERLGEEDDGL 1133  
QY 901 VSGDGCCKVCELEGGFCVGPBPSLCYMEGGDICEPBERKTSIYDCGITYPKGYLDQWAT 960  
DB 1134 VSGDGCCKVCELEGGFCVGPBPSLCYMEGGDICEPBERKTSIYDCGITYPKGYLDQWAT 1193  
QY 961 RAYSHEDKKKCPVSLVTGEBPSLICTSYHPSLPHNRPITGMPFCVASENETQDRSEOP 1020  
DB 1194 RAYSHEDKKKCPVSLVTGEBPSLICTSYHPSLPHNRPITGMPFCVASENETQDRSEOP 1253  
QY 1021 EGSLLKEDVWLVKVCENRPGBARAIFLPLTTDGLVPGHQPTVTLVLTVDVGSNHSLSGT 1080  
DB 1254 EGSLLKEDVWLVKVCENRPGBARAIFLPLTTDGLVPGHQPTVTLVLTVDVGSNHSLSGT 1313  
QY 1081 YGLSCQNNPLINTHQNVLPHHTTSVLTNFSRPGICSAVALRTSRIQLSAPNCIS 1140  
DB 1314 YGLSCQNNPLINTHQNVLPHHTTSVLTNFSRPGICSAVALRTSRIQLSAPNCIS 1373  
QY 1141 EDEGQNHQGSCHIRPCGKODSCPSLLDHDVNVCTSIGGLMKCAITCORGALQASS 1200  
DB 1374 EDEGQNHQGSCHIRPCGKODSCPSLLDHDVNVCTSIGGLMKCAITCORGALQASS 1433  
QY 1201 GQYIRPQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNTANFSCBETFKLRCSISIC 1260  
DB 1434 GQYIRPQKEILLTCSSGHWQNVSCLPVDCGVPDPSLVNTANFSCBETFKLRCSISIC 1493  
QY 1261 VPPAKLOGLSPWLTCLBGLMSLPBYCKLECDAPRIILNANLLPHGLQDNHVGITCK 1320  
DB 1494 VPPAKLOGLSPWLTCLBGLMSLPBYCKLECDAPRIILNANLLPHGLQDNHVGITCK 1553  
QY 1321 YECRPGYVVASAGKVNKLKIQCLEGGIMEQSCIPVCEPBPVFEQMEYECTNGFS 1380  
DB 1554 YECRPGYVVASAGKVNKLKIQCLEGGIMEQSCIPVCEPBPVFEQMEYECTNGFS 1613  
QY 1381 LDSQCVLNCQGEREKLPLCTKEGLMTQEFPLCENLQCECPPPSELSVVEYKCEQYGI 1440  
DB 1614 LDSQCVLNCQGEREKLPLCTKEGLMTQEFPLCENLQCECPPPSELSVVEYKCEQYGI 1673  
QY 1441 GAVSPLCVIPSPDPWMLPENITADTLHNMPEPVQVSIYCTGRQNHDPVLVHCTOSC 1500  
DB 1674 GAVSPLCVIPSPDPWMLPENITADTLHNMPEPVQVSIYCTGRQNHDPVLVHCTOSC 1733  
QY 1501 BPFOADGWCDTINRAYCHYDGDCCSSTLSSKKVYIPADODLDECTCRDPKAEHQ 1558  
DB 1734 BPFOADGWCDTINRAYCHYDGDCCSSTLSSKKVYIPADODLDECTCRDPKAEHQ 1791

## RESULT 4

US-09-827-998-10  
Sequence 10. Application US/09827998  
Patent No. US20020102252A1  
GENERAL INFORMATION:  
APPLICANT: Gu, Yizhong  
APPLICANT: Shannon, Mark  
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN B  
FILE REFERENCE: MDMOREF-8  
CURRENT FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
NUMBER OF SEQ ID NOS: 1881  
SOFTWARE: Aeonica Sequence Listing Engine  
SEQ ID NO 10  
LENGTH: 1770  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-827-998-10

Query Match 95.9%; Score 8263; DB 3; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNONGEGSYREAFETFSQVGLPIIFYSGRRRLRLREVLAEIPREAFTEAVM 60  
DB 234 SPPEESNONGEGSYREAFETFSQVGLPIIFYSGRRRLRLREVLAEIPREAFTEAVM 293  
QY 61 KPEGGQNNPAIIAGVFNCSHTVSDKGMALGIRGKDXGRDARFPFSLCTDRVKKATIL 120  
DB 294 KPEGGQNNPAIIAGVFNCSHTVSDKGMALGIRGKDXGRDARFPFSLCTDRVKKATIL 353  
QY 121 ISHSRYQGTWTHVAAAYDGRHMLVYDGTQVASSLIDSGPLNSPFMAACRSLLGGSS 180  
DB 354 ISHSRYQGTWTHVAAAYDGRHMLVYDGTQVASSLIDSGPLNSPFMAACRSLLGGSS 413  
QY 181 EDGHYFRGHIGTLVFNSTALPOSHFQSSQSSGSEBATDVLTLASFEPVTEWVPRDE 240  
DB 414 EDGHYFRGHIGTLVFNSTALPOSHFQSSQSSGSEBATDVLTLASFEPVTEWVPRDE 473  
QY 241 KYRPLEVLQGBEPPELISLPOLPLCGQTVCDNVELISQNGWPLLGEKVIYQVNVIC 300  
DB 474 KYRPLEVLQGBEPPELISLPOLPLCGQTVCDNVELISQNGWPLLGEKVIYQVNVIC 533  
QY 301 DDEGLNPIVSEBQIRLOHEALNFAFSRYNISWOLSVQVNSLRLRVRVLYNCPKXIGN 360  
DB 534 DDEGLNPIVSEBQIRLOHEALNFAFSRYNISWOLSVQVNSLRLRVRVLYNCPKXIGN 593  
QY 361 DHCPECEHPLTYGDGDCRLQGRCYSMNRDGLCHYECNNMLNDFDGDCCDPOVAVR 420  
DB 594 DHCPECEHPLTYGDGDCRLQGRCYSMNRDGLCHYECNNMLNDFDGDCCDPOVAVR 653  
QY 421 KTCFDPSPKRAYSVKELKALQLNSTHPLNTIYFASVYBDLAAGATWPKDCAVTHLG 480  
DB 654 KTCFDPSPKRAYSVKELKALQLNSTHPLNTIYFASVYBDLAAGATWPKDCAVTHLG 713  
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DB 714 GIVLSPAYGMHGTDMIHVGHVGLYHVPKGVSRRESQNDCKETVPSMETGDLCAD 773  
QY 541 TAPTPKSELCREPPTSDTCGFTFPGAPFTNYSYTDNCTDNFTNOVABRMHCYLDLV 600  
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QY 601 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGLCSACTBEDGTRQY 660  
DB 834 YQWMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVVYDRASGLCSACTBEDGTRQY 893  
QY 661 VHTASSRRVCDSSGWTPEEAVGPDPVDQCEPSLQAMSPVHLVHNMVTPCETGCSL 720  
DB 894 VHTASSRRVCDSSGWTPEEAVGPDPVDQCEPSLQAMSPVHLVHNMVTPCETGCSL 953  
QY 721 ELFPQHVQADTLTLMTWTSFPMESSQVLPFTEILLNKESVHLGAPLDTFCDIPLTIKLVH 780  
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QY 781 DGKVSQVYVTFPDERIIDAALLTSOPHSPLCSGCRPRVYQVLDPPFASGLPVVVTSH 840  
DB 1014 DGKVSQVYVTFPDERIIDAALLTSOPHSPLCSGCRPRVYQVLDPPFASGLPVVVTSH 1073  
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Db 1074 RKFTDVEVTBGMQYQVLAAGAGELGASBPPLNHIGAPYCGDGKYSERLGERCDGDL 1133  
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 QY 961 RAYSSHEDKKKCPVSLVYGBPHSLICTSYHPDLPHNRPPLTGWPCVASNETODDRSEOP 1020  
 Db 1194 RAYSSHEDKKKCPVSLVYGBPHSLICTSYHPDLPHNRPPLTGWPCVASNETODDRSEOP 1253  
 QY 1021 EGSLLKKEDEWMLKVCFNRPGBARAFIFLTDTGLVPEHQOFTVTLVLTVRGSHSLGT 1080  
 Db 1254 EGSLLKKEDEWMLKVCFNRPGBARAFIFLTDTGLVPEHQOFTVTLVLTVRGSHSLGT 1313  
 QY 1081 YGLSCQHNPLIINVTHQONVLFHHTTSVLLNFSSPRVIGSAVALRTSSRIGLSAPNSCIS 1140  
 Db 1314 YGLSCQHNPLIINVTHQONVLFHHTTSVLLNFSSPRVIGSAVALRTSSRIGLSAPNSCIS 1373  
 QY 1141 EDEGQNHQOGSCIHRRPGKODSCPSLLLDHADVYNCTSIQPGMKCAITCORGALQASS 1200  
 Db 1374 EDEGQNHQOGSCIHRRPGKODSCPSLLLDHADVYNCTSIQPGMKCAITCORGALQASS 1433  
 QY 1201 GQYIRPMQKEILLTCSSGHDQNVSCLPVQGVDPSELVYANFSCSEGTFLKRCSTISC 1260  
 Db 1434 GQYIRPMQKEILLTCSSGHDQNVSCLPVQGVDPSELVYANFSCSEGTFLKRCSTISC 1493  
 QY 1261 VPPAKLQGSPLWLTCLDEGLMSLPEVYCKLECDAPRIILNANLLPHCLDNDHVGITCK 1320  
 Db 1494 VPPAKLQGSPLWLTCLDEGLMSLPEVYCKLECDAPRIILNANLLPHCLDNDHVGITCK 1553  
 QY 1321 YEKPKGYVAASABGVKRNKLLKIQCLEGIWEQSGCIPVCEPPPEVFEGMTETNGFS 1380  
 Db 1554 YEKPKGYVAASABGVKRNKLLKIQCLEGIWEQSGCIPVCEPPPEVFEGMTETNGFS 1613  
 QY 1381 LDSQCVLNCQOEBKPIILCTKEGLMTQEBKLCENIQGECPPPSBLNSTEYKCEQXGI 1440  
 Db 1614 LDSQCVLNCQOEBKPIILCTKEGLMTQEBKLCENIQGECPPPSBLNSTEYKCEQXGI 1673  
 QY 1441 GAVCSPLCVIPSPDPVWLPEMTADTLEHMEPVKVSIVCTGRQWHPDVLVHCIOQC 1500  
 Db 1674 GAVCSPLCVIPSPDPVWLPEMTADTLEHMEPVKVSIVCTGRQWHPDVLVHCIOQC 1733  
 QY 1501 E 1501  
 Db 1734 E 1734  
 RESULT 5  
 US-10-675-685-10  
 ; Sequence 10, Application US/10675685  
 ; Publication No. US20040063134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gu, Yizhong  
 ; APPLICANT: Shannon, Mark  
 ; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
 ; FILE REFERENCE: PB0114  
 ; CURRENT APPLICATION NUMBER: US/10/675,685  
 ; PRIOR FILING DATE: 2003-09-30  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; NUMBER OF SEQ ID NOS: 1881  
 ; SOFTWARE: Aecmca Sequence Listing Engine  
 ; SEQ ID NO 10  
 ; LENGTH: 1770  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-675-685-10  
 Query Match 95.9%; Score 8263; DB 4; Length 1770;  
 Best Local Similarity 99.9%; Pred. No. 0;  
 Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPEESNONGEGSYREAEFTNSQVGLPIILYFSGRRRLRLREVLAEIPREAFTEAWY 60  
 Db 234 SPPEESNONGEGSYREAEFTNSQVGLPIILYFSGRRRLRLREVLAEIPREAFTEAWY 293  
 QY 61 KPEGGQNNPAILINGVDNCSHTSDKGNALGIRSGDKGRDARFPFSLCTDVKATIL 120  
 Db 294 KPEGGQNNPAILINGVDNCSHTSDKGNALGIRSGDKGRDARFPFSLCTDVKATIL 353  
 QY 121 ISHSRYOPGTWTHVATYDGRHVALYVDGQVASSLDQSGPLNSPMAASCRSLLEGDS 180  
 Db 354 ISHSRYOPGTWTHVATYDGRHVALYVDGQVASSLDQSGPLNSPMAASCRSLLEGDS 413  
 QY 181 EDGHYFRGHLGLTVFMSIALPOSHFOHSSQHSSEBEATDLVLTASFEVPNTEWFEPRDE 240  
 Db 414 EDGHYFRGHLGLTVFMSIALPOSHFOHSSQHSSEBEATDLVLTASFEVPNTEWFEPRDE 473  
 QY 241 KYPRLEVLQGFEBEPBILSPLOPLCGQVYCDNVALISQYNGWPIRGEKVIRYQVYNTIC 300  
 Db 474 KYPRLEVLQGFEBEPBILSPLOPLCGQVYCDNVALISQYNGWPIRGEKVIRYQVYNTIC 533  
 QY 301 DDEGLNPVISEBOIRLOHEALNEAFSRVNIWOLSVHOVNSTLRHRVYLVNCEPSKIGN 360  
 Db 534 DDEGLNPVISEBOIRLOHEALNEAFSRVNIWOLSVHOVNSTLRHRVYLVNCEPSKIGN 593  
 QY 361 DHCDEPCEHPLTGYDGDGRLQGRCYSNRBDGLCHVECNMNLNDEPDGDCDPOVADVR 420  
 Db 594 DHCDEPCEHPLTGYDGDGRLQGRCYSNRBDGLCHVECNMNLNDEPDGDCDPOVADVR 653  
 QY 421 KTCFDPDSPKRAVMSYKELKALQNLSTHPLANTYFASVREDLAGAATWPDQAVTHLG 480  
 Db 654 KTCFDPDSPKRAVMSYKELKALQNLSTHPLANTYFASVREDLAGAATWPDQAVTHLG 713  
 QY 481 GIVLSPAYYGMPEHDTMHEVGHVGLVYHVFGEVERESCDNCKETVPSMETGOLCAD 540  
 Db 714 GIVLSPAYYGMPEHDTMHEVGHVGLVYHVFGEVERESCDNCKETVPSMETGOLCAD 773  
 QY 541 TATTPKSELCREBEPSTDCGFTFRPGAPFTYMSSTDNCTDNFTPNQVABRHCIYLDV 600  
 Db 774 TATTPKSELCREBEPSTDCGFTFRPGAPFTYMSSTDNCTDNFTPNQVABRHCIYLDV 833  
 QY 601 YQWTESSRKPPIPIPMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCACTEDGTFRQY 660  
 Db 834 YQWTESSRKPPIPIPMVIGQTNKSLTIHMLPPIISGVVYDRASGSLCACTEDGTFRQY 893  
 QY 661 VHTASRRVCDSSGYTTPREAVGPDPVDPCEPSLOAWSPEVHLXHMNTVPCPTGCSL 720  
 Db 894 VHTASRRVCDSSGYTTPREAVGPDPVDPCEPSLOAWSPEVHLXHMNTVPCPTGCSL 953  
 QY 721 BLIFQHPVOADTLTLVNTSFFMESSQVLPDTETILENKESVHLGPIDTECDIPLATIKLHV 780  
 Db 954 BLIFQHPVOADTLTLVNTSFFMESSQVLPDTETILENKESVHLGPIDTECDIPLATIKLHV 1013  
 QY 781 DGVNSGVKYYTDERLEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGHPVVVTHSH 840  
 Db 1014 DGVNSGVKYYTDERLEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGHPVVVTHSH 1073  
 QY 841 RKFTDVEVTBGMQYQVLAAGAGELGASBPPLNHIGAPYCGDGKYSERLGERCDGDL 900  
 Db 1074 RKFTDVEVTBGMQYQVLAAGAGELGASBPPLNHIGAPYCGDGKYSERLGERCDGDL 1133  
 QY 901 VSGDGSKVCELBEGFNCVGBPSLCYMYEGDGIPEPERKTSYVDCGITYPKGYLDQWAT 960  
 Db 1134 VSGDGSKVCELBEGFNCVGBPSLCYMYEGDGIPEPERKTSYVDCGITYPKGYLDQWAT 1193  
 QY 961 RAYSSHEDKKKCPVSLVYGBPHSLICTSYHPDLPHNRPPLTGWPCVASNETODDRSEOP 1020  
 Db 1194 RAYSSHEDKKKCPVSLVYGBPHSLICTSYHPDLPHNRPPLTGWPCVASNETODDRSEOP 1253  
 QY 1021 EGSLLKKEDEWMLKVCFNRPGBARAFIFLTDTGLVPEHQOFTVTLVLTVRGSHSLGT 1080  
 Db 1254 EGSLLKKEDEWMLKVCFNRPGBARAFIFLTDTGLVPEHQOFTVTLVLTVRGSHSLGT 1313

QY	1081	YGLSCONNPLIINTHTHONVLFPHHTTSVLTNLFSSPRCISAVLARTSRIGLSAPNSCIS	1140
Db	1314	YGLSCONNPLIINTHTHONVLFPHHTTSVLTNLFSSPRVGISAVLARTSRIGLSAPNSCIS	1373
QY	1141	EDEGONHOGOSCIHRPCGKODSCESLLDHDADVNCISIGBLMKCAITTCRGFALDASS	1200
Db	1374	EDEGONHOGOSCIHRPCGKODSCESLLDHDADVNCISIGBLMKCAITTCRGFALDASS	1433
QY	1201	GOYIRPMOKELILLTCSSGHMDONNSCLPVDGCVDPDSLVNYANNSCSGRTGFLRCSIS	1260
Db	1434	GOYIRPMOKELILLTCSSGHMDONNSCLPVDGCVDPDSLVNYANNSCSGRTGFLRCSIS	1493
QY	1261	VPAKLOGLSPMLTCLBEDGLMSLPENVYCKLECDAPILIANLNLPHCLQDNDVGTICK	1320
Db	1494	VPAKLOGLSPMLTCLBEDGLMSLPENVYCKLECDAPILIANLNLPHCLQDNDVGTICK	1553
QY	1321	YECKRGYVAASABEGKVNKLKIKTCLEGGIWEQSCIPVVCBPPPVFEQMYECTNGFS	1380
Db	1554	YECKRGYVAASABEGKVNKLKIKTCLEGGIWEQSCIPVVCBPPPVFEQMYECTNGFS	1613
QY	1381	LDSCVTLNCONBERETPLITCKEGIMQEBFLCENLQOECBPPEPSSELSVEYKQEOGYI	1440
Db	1614	LDSCVTLNCONBERETPLITCKEGIMQEBFLCENLQOECBPPEPSSELSVEYKQEOGYI	1673
QY	1441	GAVCSPLCVIPSPDPVMLPENITADLTLEHMEPVVQOSIVCTGRQOMHPDVLVHCIOQC	1500
Db	1674	GAVCSPLCVIPSPDPVMLPENITADLTLEHMEPVVQOSIVCTGRQOMHPDVLVHCIOQC	1733
QY	1501	E 1501	
Db	1734	E 1734	

```

RESULT 6
US-09-827-998-16
; Sequence 16, Application US/09827998
; Patent No. US20020102252A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDIWO-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 16
LENGTH: 1385
TYPE: PRT
ORGANISM: Homo sapiens
US-09-827-998-16

Query Match          71.1%; Score 6126; DB 3; Length 1385;
Best Local Similarity 73.6%; Pred. No. 0;
Matches 1147; Conservative 0; Mismatches 5; Indels 406; Gaps 1.

QY      1 SPPESSNONGSGSSTREATFNSSQVGLPTLYFSGRERLLRPVLAETIPRAFTYEAIV 60
        |||||||
DB      234 SPPESSNONGSGSSTREATFNSSQVGLPTLYFSGRERLLRPVLAETIPRAFTYEAIV 293
        |||||||
QY      61 KEGGQNNPALLIAGVFDNCSHTVSDKGMALGIRSGKDKKRDARFFSLCTDRVKKATIL 120
        |||||||
DB      294 KEGGQNNPALLIAGVFDNCSHTVSDKGMALGIRSGKDKKRDARFFSLCTDRVKKATIL 306
        |||||||
QY      121 IHSRQPTGTFTHVATVDGRHVALYVDGTQVASSLDGSGPLNSPFMACSRSLIGDSS 180
        |||||||
DB      307 ----- 306

181 EDGHTFRGHLGTLVFWSTALPOSHFQHSQHSGBEATDLVLTASFEFVNTENWPFKDE 240

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Db	307	-----	306
Qy	241	KYRLBVLQGFEPERELLSPLOPLCGQTCDNVELISQNGYMLRGEKVIRYQVNVIC	300
Db	307	-----	306
Qy	301	DDEGLNPIVSEBOJIRLOHEALNEAFSRYNISKULSHQVHNSTRHRVULVNCBPSKIGN	360
Db	307	-----	306
Qy	361	DHCDPBECHPLTGVDDGDCRLQGRCSWMNRDGLCHECNMMLNDFDDGDCDPQVADVR	420
Db	307	-----	306
Qy	421	KTCFDPDSPKRAVMSVXELKBAQLNSTHEPLNTYFASVREDLAGATWPMKDAVTHLG	480
Db	307	-----g	307
Qy	481	GIIVSPAYGMPGHTDTMLHEGVHVLGLYHFKVCSRESCNDPCKETVSMETGDLCAD	540
Db	308	GIIVSPAYGMPGHTDTMLHEGVHVLGLYHFKVCSRESCNDPCKETVSMETGDLCAD	367
Qy	541	TAPTPKSELCEBPRTSDTCGFTFPGCAPPTNNMSYDDNCTDNFTPNQVARMHCYLDLV	600
Db	368	TAPTPKSELCEBPRTSDTCGFTFPGCAPPTNNMSYDDNCTDNFTPNQVARMHCYLDLV	427
Qy	601	YQOWTESRKPTPIBIPMWIGQTNKSLTIHMLPPISGVIVDRASGSLCGACTEDGTFRQY	660
Db	428	YQOWTESRKPTPIBIPMWIGQTNKSLTIHMLPPISGVIVDRASGSLCGACTEDGTFRQY	487
Qy	661	VHTASSRRVCDSSGYWTPPEAVGPDPDQCEBLSQWMSPEVHLYHNMNTVPCPTGCSL	720
Db	488	VHTASSRRVCDSSGYWTPPEAVGPDPDQCEBLSQWMSPEVHLYHNMNTVPCPTGCSL	547
Qy	721	ELTFOHPVQADTLTLMWTSFPMESSQVLPTEILLENKESVHGLPDTFCDPIITIKLAV	780
Db	548	ELTFOHPVQADTLTLMWTSFPMESSQVLPTEILLENKESVHGLPDTFCDPIITIKLAV	607
Qy	781	DGKVSQVAVYTFDERIBIDAALLTSQHPSLCSCGCPVRVQVLRDPPASGLPVVYTHSH	840
Db	608	DGKVSQVAVYTFDERIBIDAALLTSQHPSLCSCGCPVRVQVLRDPPASGLPVVYTHSH	667
Qy	841	RKFTDVEYTPQOMQOYQVLAAGELBASPLNHHIGAPYCGGKXSERLGEBCDDGDL	900
Db	668	RKFTDVEYTPQOMQOYQVLAAGELBASPLNHHIGAPYCGGKXSERLGEBCDDGDL	727
Qy	901	VSGDCSKVCELBEGFNCVGPBSLCYMWEGDGLCEPERKTSIVDCGIIYTPKGYLDQMAT	960
Db	728	VSGDCSKVCELBEGFNCVGPBSLCYMWEGDGLCEPERKTSIVDCGIIYTPKGYLDQMAT	787
Qy	961	RAYSHEDKXKCPVSLVTGPBHSILCTSYHDLFNHRPLTGMFEFCVASENETODRBEOP	1020
Db	788	RAYSHEDKXKCPVSLVTGPBHSILCTSYHDLFNHRPLTGMFEFCVASENETODRBEOP	847
Qy	1021	BGSLKCEBVMKYCFENRGEARAIPIPLTDLGVPGEHOQPTVTLVTVRGSNHSIGT	1080
Db	848	BGSLKCEBVMKYCFENRGEARAIPIPLTDLGVPGEHOQPTVTLVTVRGSNHSIGT	907
Qy	1081	YGLSCQHNPLIINTVHQNVLFPHTTSVLNFSSPRVGISAVALRTSSRIGLSAPNSCIS	1140
Db	908	YGLSCQHNPLIINTVHQNVLFPHTTSVLNFSSPRVGISAVALRTSSRIGLSAPNSCIS	967
Qy	1141	EDBEGNHOQOSCIHRPCGKODSCBSLLDHDADVNNCTSIGGIMKCAITQCRGALQASS	1200
Db	968	EDBEGNHOQOSCIHRPCGKODSCBSLLDHDADVNNCTSIGGIMKCAITQCRGALQASS	1027
Qy	1201	GOYIRPMQKEIILTTSSGHDQONSCLPVDGCVDPSPILVNANFSCSEGTFLRCSISIC	1260
Db	1028	GOYIRPMQKEIILTTSSGHDQONSCLPVDGCVDPSPILVNANFSCSEGTFLRCSISIC	1087
Qy	1261	VPAPKLOGLSPWLTCLBEGMWSLEPVYCKEBCDAPPIILNANLLPHCLQDNHVGITCK	1320

Db 1088 VPPAKLQGISPWLTCLEBGLMSLPEVYCKLECDAPPIIINANILLPHCIQDNHVGTTCK 1147  
Qy 1321 YECKPGYVYASABGKVRNKLKIQCLBEGIMEQSCIPVCEPPPEVGEYECTNGS 1380  
Db 1148 YECKPGYVYASABGKVRNKLKIQCLBEGIMEQSCIPVCEPPPEVGEYECTNGS 1207  
Qy 1381 LBSQCLVLCNQBREKPIILCTKEGLMTOEFKLCENIQCECPPEPSLINSVEYKCEQYGI 1440  
Db 1208 LBSQCLVLCNQBREKPIILCTKEGLMTOEFKLCENIQCECPPEPSLINSVEYKCEQYGI 1267  
Qy 1441 GAVCSPLCVIPSPDPMVLPENITADTLEHMMBPVYQSVICGTRQRMHPDVPVLCIOSC 1500  
Db 1268 GAVCSPLCVIPSPDPMVLPENITADTLEHMMBPVYQSVICGTRQRMHPDVPVLCIOSC 1327  
Qy 1501 BFFQADGMDCTINNRAYCHYDGGDCSSSTLSKKVLPFAADCDLDECTCQDPAEENQ 1558  
Db 1328 BFFQADGMDCTINNRAYCHYDGGDCSSSTLSKKVLPFAADCDLDECTCQDPAEENQ 1385  
RESULT 7  
US-10-675-685-16  
; Sequence 16, Application US/10675685  
; Publication No. US20040063134A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: PB0114  
; CURRENT APPLICATION NUMBER: US/10/675,685  
; CURRENT FILING DATE: 2003-09-30  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 16  
; LENGTH: 1385  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-675-685-16  
Query Match 71.1%; Score 6126; DB 4; Length 1385;  
Best Local Similarity 73.6%; Pred. No. 0;  
Matches 1147; Conservative 0; Mismatches 5; Indels 406; Gaps 1;  
Qy 1 SPPEBSNONGSGSREACTPNSQVGLPTLYSGRRELLLRPEVLAETPREAFVTEAVY 60  
Db 234 SPPEBSNONGSGSREACTPNSQVGLPTLYSGRRELLLRPEVLAETPREAFVTEAVY 293  
Qy 61 KPEGGONNPAIIAGVFDNCSHTVSDKGMALGIRSGDKGKRDRARFFSLCTDRVKKATIL 120  
Db 294 KPEGGONNPAIIA----- 306  
Qy 121 ISHSRYQPGTWTHTVATYDGRHMLVYDGTQVASSLDQSGPLNSPFMASCRSILLGDS 180  
Db 307 ----- 306  
Qy 181 EDGHTYRGLHGLTVFWSTALPQSHFOHSSQHSGBEATDVLVLTASFEVNTBWVFFRDE 240  
Db 307 ----- 306  
Qy 241 KYRLEVLQGFPEPEPIELPQPLQGTVCNDELISQYNGWVPLRGEKVIARYGVNVC 300  
Db 307 ----- 306  
Qy 301 DDEGLNPIVSEBOIRLOHEALNEAFSRVNI SWQLSVHYQVHNSTLRHRVVLVNCPEKIGN 360  
Db 307 ----- 306  
Qy 361 DHCDPECHHPLTGYDGGDCRLQGRCTSMNRBDGLCHVEGNMNLNDDDDCCDPQVADVR 420  
Db 307 ----- 306

Qy 421 KTCFDPDSPKRAYMSYKELKEALQJNSTHFLNIYFASVREBLAGATWMDKAVTHLG 480  
Db 307 -----G 307  
Qy 481 GIVLSPATYGMGHDTMTHEVGHVULGLYHVYKGVSEBSNDPCKEITYPSMETGLCAD 540  
Db 308 GIVLSPATYGMGHDTMTHEVGHVULGLYHVYKGVSEBSNDPCKEITYPSMETGLCAD 367  
Qy 541 TAPTPKSELCREBEPTSDTCGFRPFGAPFTMYASTDNCITDNFNPQVARNHCTLDLV 600  
Db 368 TAPTPKSELCREBEPTSDTCGFRPFGAPFTMYASTDNCITDNFNPQVARNHCTLDLV 427  
Qy 601 YQOMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVYDPAASGLICAGCTEDGTFROY 660  
Db 428 YQOMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVYDPAASGLICAGCTEDGTFROY 487  
Qy 661 VHTASSRRVCDSSGVTPEBAVGPDPDOPCEBPSIQAMSPEVHLVHMNTVPCPTGCSL 720  
Db 488 VHTASSRRVCDSSGVTPEBAVGPDPDOPCEBPSIQAMSPEVHLVHMNTVPCPTGCSL 547  
Qy 721 ELTFQHPVQADTLTLMVTSFFMSSQVLPDTEILLENKESVHLGPDTECDIPLTIKLVH 780  
Db 548 ELTFQHPVQADTLTLMVTSFFMSSQVLPDTEILLENKESVHLGPDTECDIPLTIKLVH 607  
Qy 781 DGVSGVKVYTFDERIEIDALLTSQPHSPILCSGCRPVARYOVLADPPFASGLPVVYTHSH 840  
Db 608 DGVSGVKVYTFDERIEIDALLTSQPHSPILCSGCRPVARYOVLADPPFASGLPVVYTHSH 667  
Qy 841 RKTFTVEVTPGQMYOVLAEAGBELGEASPLNHIHGAPYCGDGKVSRLBECDDGDL 900  
Db 668 RKTFTVEVTPGQMYOVLAEAGBELGEASPLNHIHGAPYCGDGKVSRLBECDDGDL 727  
Qy 901 VSGDGSKVCELEBEGNCVGEPSLCMYEGDGI CEPEKRTSIVDGIYTPGKYLDQMYT 960  
Db 728 VSGDGSKVCELEBEGNCVGEPSLCMYEGDGI CEPEKRTSIVDGIYTPGKYLDQMYT 787  
Qy 961 RAYSHEDKKCKPVSLVTGEPHSLICTSYHPLPNHRPLTGMFPVCASENTODDRSOP 1020  
Db 788 RAYSHEDKKCKPVSLVTGEPHSLICTSYHPLPNHRPLTGMFPVCASENTODDRSOP 847  
Qy 1021 ESSLKKEDEVMVKVCENRPEGEARAIPIFLTDTGLVGEHQPTVLYLTDVGSNHSIQT 1080  
Db 848 ESSLKKEDEVMVKVCENRPEGEARAIPIFLTDTGLVGEHQPTVLYLTDVGSNHSIQT 907  
Qy 1081 YGLSCQHNPLIINTHONVLFPHHTTSVLTNSSRVGISAVALRTSSRIGLSAPNCIS 1140  
Db 908 YGLSCQHNPLIINTHONVLFPHHTTSVLTNSSRVGISAVALRTSSRIGLSAPNCIS 967  
Qy 1141 EDEGQNHQSGCIIHRPCGKQDSCPSILLDPAUVNCTSIGPGLMKCAITCQGFALQAS 1200  
Db 968 EDEGQNHQSGCIIHRPCGKQDSCPSILLDPAUVNCTSIGPGLMKCAITCQGFALQAS 1027  
Qy 1201 GQYIRPMOKELIILTCSSGHMDQNSCLPYDCGVPPPSLVNVA NFSCEBGTKEFKRCSISC 1260  
Db 1028 GQYIRPMOKELIILTCSSGHMDQNSCLPYDCGVPPPSLVNVA NFSCEBGTKEFKRCSISC 1087  
Qy 1261 VPPAKLQGISPWLTCLEBGLMSLPEVYCKLECDAPPIIINANILLPHCIQDNHVGTTCK 1320  
Db 1088 VPPAKLQGISPWLTCLEBGLMSLPEVYCKLECDAPPIIINANILLPHCIQDNHVGTTCK 1147  
Qy 1321 YECKPGYVYASABGKVRNKLKIQCLBEGIMEQSCIPVCEPPPEVGEYECTNGS 1380  
Db 1148 YECKPGYVYASABGKVRNKLKIQCLBEGIMEQSCIPVCEPPPEVGEYECTNGS 1207  
Qy 1441 GAVCSPLCVIPSPDPMVLPENITADTLEHMMBPVYQSVICGTRQRMHPDVPVLCIOSC 1500  
Db 1268 GAVCSPLCVIPSPDPMVLPENITADTLEHMMBPVYQSVICGTRQRMHPDVPVLCIOSC 1327

Query 1501 EPPADGKCDTINNFAYCHYDGGCCSSTLSKVIYPPAADCDLDECTCRDPAEENQ 1558  
Db 1328 EPPADGKCDTINNFAYCHYDGGCCSSTLSKVIYPPAADCDLDECTCRDPAEENQ 1385  
RESULT 8  
US-09-983-025-25  
; Sequence 25, Application US/09983025  
; Publication No. US20030124529A1  
; GENERAL INFORMATION:  
; APPLICANT: OXVIG, CLaus  
; APPLICANT: OVERGAARD, Michael T.  
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)  
; FILE REFERENCE: OXVIG-1A  
; CURRENT APPLICATION NUMBER: US/09/983,025  
; PRIOR FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: US 60/241,840  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: DK PA 2000 01571  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25  
; LENGTH: 1627  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-983-025-25  
Query Match 45.5%; Score 3916.5; DB 3; Length 1627;  
Best Local Similarity 45.8%; Pred. No. 9.3e-297;  
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;  
Query 16 REAETFSQVGLP--ILYFSGRRRL-LLRPEVLAIEPRAETVAWVPEGGQNNPALI 72  
Db 80 REARATEPSPSPSALVYFSGRGEGQLRVLRADL--ELPRDAFTLQVWLABEGQGSRAVI 137  
Query 73 AGVFNCSHTYSDKMGALIGRSKDKKRDARFPFSLCTDRYKAKATILISHRYOPGTWT 132  
Db 138 TGLYDKCYISIRDRMGVVGIIHTISDQNDKPRYFSLKTRAROVYTTIAHRSYLPQGV 197  
Query 133 HYAAYDDBRHMALYYDQVVASLSDQSGPLSPMAASCSSLGGDSSEHGYPFGHGT 192  
Db 198 YLAATYDQFMQLYVNGAVATSGEQVGIFSPLOKCVLMGQ--SALNNYNGYIEH 255  
Query 193 LVFNFTALPOSHFQHSQSSGEEBETDVLVTASPEVNTWVPRDEKYPLELV--LQG 250  
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Db 372 BEQVDFQHHQLAEAKQYNIISWELDLVLSNLSLRRLTLANCDLSKIGDENCDPECNHT 431  
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Query 430 GMRGHTDPIHEVGVTLGLYHVFKEYSEBSGNDPCKETVPSMENGCDLCADNAPRPSKL 549  
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Db 1313 QCRHFAQLKGNNSLLTCMEDEGLMSPEPALCEIMCTLAPRPVNRADQTRACREKHKVGSF 1372  
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Query 1379 FSLDSQCVLANC-----NOERKPLPLCTKEGLMTQEFCLCENTLOGECPPPSEILNS--VEY 1432  
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RESULT 9  
US-10-295-027-663  
; Sequence 663, Application US/10295027  
; Publication No. US2003032350A1  
; GENERAL INFORMATION:

APPLICANT: Afar, Daniel  
APPLICANT: Aziz, Natasha  
APPLICANT: Ginsberg, Wendy M.  
APPLICANT: Gish, Kurt C.  
APPLICANT: Glynn, Richard  
APPLICANT: Hevez, Peter A.  
APPLICANT: Mack, David H.  
APPLICANT: Murray, Richard  
APPLICANT: Watson, Susan R.  
APPLICANT: Eos Biotechnology, Inc.  
TITLE OF INVENTION: Methods of Screening for Modulators of Cancer  
FILE REFERENCE: 018501-012500US  
CURRENT FILING DATE: 2002-11-13  
PRIOR APPLICATION NUMBER: US 09/663,733  
PRIOR FILING DATE: 2000-09-15  
PRIOR APPLICATION NUMBER: US 60/350,666  
PRIOR FILING DATE: 2001-11-13  
PRIOR APPLICATION NUMBER: US 60/335,394  
PRIOR FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: US 60/332,464  
PRIOR FILING DATE: 2001-11-21  
PRIOR APPLICATION NUMBER: US 60/334,393  
PRIOR FILING DATE: 2001-11-29  
PRIOR APPLICATION NUMBER: US 60/340,376  
PRIOR FILING DATE: 2001-12-14  
PRIOR APPLICATION NUMBER: US 60/347,211  
PRIOR FILING DATE: 2002-01-08  
PRIOR APPLICATION NUMBER: US 60/347,349  
PRIOR FILING DATE: 2002-01-10  
PRIOR APPLICATION NUMBER: US 60/355,250  
PRIOR FILING DATE: 2002-02-08  
PRIOR APPLICATION NUMBER: US 60/356,714  
PRIOR FILING DATE: 2002-02-13  
Remaining prior application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1386  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 663  
LENGTH: 1627  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-295-027-663

Query Match 45.5%; Score 3916.5; DB 4; Length 1627;  
Best Local Similarity 45.8%; Pred. No. 9.3e-297;  
Matches 718; Conservative 236; Mismatches 499; Indels 53; Gaps 25;

16 REAETNSQVGLP-LIYFSGRRL-LRPEVLAIPREAFVEMVKEGGONPAII 72  
80 REARGATEPSPSRALYFSGRGRLVLRADL-ELPRDAFTLQVWLRAEGQSRPAVI 137  
73 AGVFNCSHTVSDKGNALIGRSKDKGKQDARFESLCTDRVYKATILISHSYQGTWT 132  
138 TGLYDCSISIRGRGVVGIHTISDDNDPRYFSLIKTDRAQVTTINAHRSYLGQWV 197  
133 HYAATDGMALYVGTQVASSLDOSGPLSPFMSCSRLIGDPSSEDEGHYFGLGT 192  
198 YLAATDGMALYVGTQVASSLDOSGPLSPFMSCSRLIGDPSSEDEGHYFGLGT 255  
193 LVFWSTALPOSHQSHSSGSEBEATDVLVTASFPVNTVWVFFDEKXPRLV-LOG 250  
256 FSLMKVAFQREILSMETHTGANTALPOLLQENWNVKAMSPMDGSPKTFEENAG 315  
251 FEPBEPILPPLQPCGVYCNVELISQNGYWPVLRGEKVIRYQVNNICDEGLNPIYS 310  
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372 REQVQDQHQLALAFKQNIWMLDVLBSNSSLRRRLILANCDISKIGDENCPENHT 431  
371 LTGYDGDGR-LOGRCYSWNRDGLCHVCNNMLNDFDGDCCDPQVADVKTCPDPDSF 429

432 LTGHDDGDCRHLRPAFAVKQHNQVCDMCONERFNFDECCDPEITVYTQCFPDSF 491  
430 KRAYMSKELKEALQONSTHPLNIYFASVRELDGAATWPMDKDVTNLAGVLPAY 489  
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911 MNLNIGSVYQVWYITISGTESEBSPAVYIHGRGVCBGIIQKQGECDMMKXNGG 970  
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1031 HDQ-QQCPGCVITIGQPAASQVCRKTVYDLSBGISQHAMPTCTISYSQ----- 1078  
1025 KKDEWMLKVCNRPBEARAFIFLTTDGLVGEHQPTVTLVLDVRSNHSIGTYGAS 1084  
1079 LQOTTFMLAYFSQRPVAAVYVHLVTDCTYGGDQGFETISQVLDLTKQSHLGLHVL 1138  
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1373 CRYKCPGYNHVGSSR-KSKKAPKTCQYDSSWBGACVVPYCDPPPKFGLVQCTNG 1431  
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Db 1611 FOAQEH 1616  
RESULT 10  
US-10-783-311-1  
; Sequence 1, Application US/10783311  
; Publication No. US20050009136A1  
; GENERAL INFORMATION:  
; APPLICANT: Nixon, Andrew  
; APPLICANT: Hogan, Shannon  
; TITLE OF INVENTION: PAPP-A LIGANDS  
; FILE REFERENCE: 10280-059001  
; CURRENT APPLICATION NUMBER: US/10/783,311  
; PRIOR FILING DATE: 2004-02-19  
; PRIOR APPLICATION NUMBER: US 60/448,515  
; PRIOR FILING DATE: 2003-02-19  
; NUMBER OF SEQ ID NOS: 394  
; SOFTWARE: FaetsEQ for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1627  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-783-311-1  
Query Match 45.5%; Score 3916.5; DB 5; Length 1627;  
Best Local Similarity 45.8%; Pred. No. 9.3e-297;  
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;  
Qy 16 REAETFSQVGLP--ILYFSGRRRL-ILRPVLAIEIPREAFVTEAMVKEGQNNPALI 72  
Db 80 REARATEEPSPSPALYFSRGEGQLRVLRADL--ELPRDAFTLQVWLAABGGQSSPAVI 137  
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Qy 133 HYAAIYDGRHMLLYDGTQVASSLDQSGPLNSPFPMASSCLLGGDSSEHGYPFGHLGT 192  
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Qy 906 CSKVCLEBEGFNCVGEBSLCTMYBGDGCERPERKSTIVDGGIYTPKGYLQDMATRAVSS 965  
Db 971 CSLFCROVSFNCIDEPSCYFHDDGVCBEPQKSTIKDQGVYTPQGLQWMASSAVS 1030  
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Qy 1493 LVHCIOGCEPFOADQCDCTINNRRAYCHYDGGCCSSTLSKKVIFPAPADCDLD-ECTGRD 1551  
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Qy 1552 PKAEEN 1557  
Db 1611 FOAQEH 1616  
RESULT 11



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US-10-741-600-1406
; Sequence 1406, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: faadseq for windows Version 4.0
; SEQ ID NO 1406
; LENGTH: 1627
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-741-600-1406

Query Match      45.5%; Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%; Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY 16 REAETNSOVLG--ILYSGRRRL-LRPEVLATIPRAATVEMAKVEGGONPAII 72
DB 80 REARGATEBPSPSRALYFSGRGEQLRVLRADL-ELPRDAFTLQVWLABGGQSRPAVI 137
QY 73 AGVFNDCSHTVSDKMGALGIRSGKDKGDARPFSLCTDRVYKATILISHRYOGTMT 132
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QY 133 HVAATYDGRHMLLYDGTQVASSLDQSGPLNSPMA CSRLLIGDSSBDGHYFRGLGT 192
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DB 256 FSLMKVARKQREILSDMETHGATLAPOLLQENMNQVKAWSPMQDGSFKVEFSNAG 315
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DB 316 FLID---TSLBEPPLCGQTLCDNTEVIASYNQLSFRQPRVYKVVNLIEDDHKPIYV 371
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DB 372 RQGVNDQHQLQALAEFQYNIISWELDLVLEWNSLSRRRLILANDISKIGENDCPENHT 431
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QY 550 CRRPEFTSPTCGFTRPGAPFTNYSYTDNCTDNFTPNQVAMHGYLIDLVYQOMTESRK 609
DB 612 CGPBGNGNITCGFHSFPFTPNYNNFMSYADDDCTDSFTPNQVAMHGYLIDLVYQOMPSRK 671
QY 610 PPIPIPIPWVIGTQNSLTHTMLPISGVVYDRASSLSGACNEDGTFPGYVHTASSRY 669
DB 672 PAVVALAPOLVGLHTDSVLEWFPIDGHPFERELDSACHLCEGRILVQVYASNNASPM 731
QY 670 CDSGGYTBKAVGPVDVQPCPSLQAWSPEVHLYHMMNTVCP--TEGCSLILFQHPY 728
DB 732 CDSGMSHSPREAGHGDVBPCKSSVRTSPNSAVNPHYTPACBPBGGLLEFLYPL 791
QY 729 QADTTLTMT--SFMSSQVLTFTBILLENKESVHLGRLDTCDIPLTIKL-HVDQKYS 785
DB 792 VESLTIWYTFVSTDWSSGAVNDIKLLAVSGKNISLIGQNVCPDVLTRIMDVGEVY 851

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QY 786 GVKVYTFDERIRIDALLTSQPHSPICSGCRVRYQVLEDPFASGLPVVVTSHRKFTD 845
DB 852 GIQITLDEHLEIDAAMTISTADTPLCLQCKRKLKVVADPPLQMDVASIL-HLRKFPYD 910
QY 846 VAVTQGMQYQVYLABAGELCEASPPNLHNGAPICGSGKYSERLGECCDDGLVSGG 905
DB 911 MVLNLSGVYQVWYITISGTESEBSPPAVYIINGRGCGGIIQKQGECCDDMNKINGG 970
QY 906 GSKVCELEEGFNCVGPSPSLCYNYEGDGICEPERKTSYIDCCGYTPKGYLDQWATPAYS 965
DB 971 CSLFCKQEVSNFNCIDFSPKCTHDDGVCBEFQKTSIDCCGYTTPQGLDQWASAYS 1030
QY 966 HEDKXKCPVSLYATGB-HSLICTSYHPLPNHRPLTGWPVCASENETODDRSBOEGSL 1024
DB 1031 HQD-QCCPGWVILIGDPAASQVCKTYIDLSGIGSHAMPTCTISYYSQ----- 1078
QY 1025 KXEDVYMLKVCNRRPGEARAFITLTTDGLVGEHQPTVTLVLDVRSNNSLGTGAS 1084
DB 1079 LQITFWMLAYPEQPVVAAAVIVHLYTDTGYGDQKQETISVQLDTPKQSHDLGLHVS 1138
QY 1085 COHNPILIVTHNQVLFHHTTSVLLNFSSPRVGSAAVALTSSRIGLSAPSNCISEBDG 1144
DB 1139 CKNNPILIVVHDLSPFTYHQAVERSSPLVALSGVALKRFDNFDPVTLSSC-ORGET 1197
QY 1145 QNHQSCSICHRPCGKODSCPSLILDHADVNCSTSI---GPGIMKCATTCORGFALQASS 1200
DB 1198 YSPAGSCVHFACEKTD-CPELAVENAS-LNCSSSDRHYG---AQCTVSCRGYVYLQIR 1252
QY 1201 GQYIRPMQ--KEILITCSGMDQVNSCLPVDGVPDPSELVYANFSCSEGTFLKRCGI 1258
DB 1253 DDELKSKQTPSPVTVCTEGKNNKQVACBPVDCSIPDHQVYAAFSRCEGTTFGQCSF 1312
QY 1259 SCVPRAKLQGLSPMLTCLDEIDGMSLPEYVCKLECAPPIILNANLLPHCLQDNHVGTL 1318
DB 1313 QCRHPQQLKNNSLTLCWEDGMSFPEALCELMCLAPPVPVPAADLOTANCREKHKVGSF 1372
QY 1319 CRYECKPGYVYASAGKVRNKLKIQCLEGGIWEQSGCIPVYCEPBPVPVFBGMYECTNG 1378
DB 1373 CKYKCKPGYHVGSSR-KSKRAFKTQCTQDQDSWQGAQVLPYTCOPRPKFGLYGCTMG 1431
QY 1379 FSLDQCVLNC---NQREKLPILCTYEGMLTQBEFKLCEMLQCECPPPSELNS-VBY 1432
DB 1432 FQNSECRICKBDSQASQGLGNNVHCRDGTWNGSFHYCOEWQGC-SVPELNSNMLK 1490
QY 1433 KCEQGYIGAVCSPLCVITPPSPVMLPENITADTLEHMMBPVKVQSYICTGRQHPDY 1492
DB 1491 QCPDGALGSECATSCLDHNSSEIILPMNVTVRDIIPHMLNPRVERKVCCTAGLKMPHPA 1550
QY 1493 LVHICQSCFPQADGWCDTINNRAYCHYDGGCCSSTLSKKVYIPRAADCDLD-ECTCRD 1551
DB 1551 LHCYKGCERPMDGNYCDAINNRAPCNVYDGGCISTVATIKVYTPPMSCDLOGDCAKD 1610
QY 1552 PRAEEN 1557
DB 1611 POAQBH 1616

RESULT 12
US-10-991-321-32
; Sequence 32, Application US/10991321
; Publication No. US20050112675A1
; GENERAL INFORMATION:
; APPLICANT: Kochen, Jarema Peter
; APPLICANT: Rosinski, James Andrew
; TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
; FILE REFERENCE: 21742 US1
; CURRENT APPLICATION NUMBER: US/10/991,321
; CURRENT FILING DATE: 2004-11-17
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32
; LENGTH: 1627

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TYPE: PRT
ORGANISM: Homo sapiens
US-10-991-321-32

Query Match      45.5%: Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%: Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

QY 16 REAETENSQVGLP-ILYFSGRERL-LIRPEVLAIEIPREAFVBAWYBEGGONPALI
DB REARGATEBPSPSPBALYFSGRGEQRLVLRADL--ELPRDAFTLQWMLAEGQGSFAVI
QY 73 AGVPNCSHTVSDKMGALIGRSKXKGRDAPFSLCTDRKXATILISHRYPGWT
DB TGLYKCSYISHRGMVVGIIHTISQDNDDPRYFSLKTRARQYTTINAHSYLPQGV
QY 133 HVAATYDGRHMLVYDGTQVASSLDQSGPLSPFMAASCSLLLGQSSSDGYFPGHLC
DB YLAATYDQFPLLYNGAQAATSGEYVGGIIFSPLOKCYMLGQ--SALNNYKGYIEH
QY 193 LVFWSTALPQSHFQHSQHSSEBEATDVLTFASFEPVTEWVPRDEKXPLEY--LQ
DB FSLMVAARQREIILDMETHGAHTALPQLLQEMDNVYGAWSPMKDGSPKVERFSNMG
QY 251 FEPEEILSPLOPPLCGQVCDNVELISQYNGYWPFRGKVIYRQVYVNCDEGLNPLY
DB FLID----TSLERPLCGQTLCDNTEVIASYNQLSFROPKVVYRYVNLXEDHKNPTV
QY 311 BEQILOHEALNEARVYNIQSLSHQVHNSTLRHYVLYVNCBPSKLGNDHCEPEHP
DB REQVPOHQLAKAKQINISHELDVLEVSNSLRRLILANCDLSKIGDENCDCECHT
QY 371 LTGYDGDGR-LQGRCSYWNRRDGLCHVECNMMLNDFDGDGCDPOVADVKTCEPDSP
DB LTGHGDGCRHLRHPAFVYKQGNVCDMDCYERFQDGCBCDEBITVNTQTCEDPDP
QY 430 KRAYSVKELKALQUNSTHPLNITYPASVREDLAGAATPMDKXAVTHLGIVLSPAY
DB HRAVYDVELKNILKLDGSTHNLIFPAKSEBELGVATWPMDKALMLGGIVANPSEY
QY 490 GMPGHTDMHEVGVNLGLYHVFKGVSERSCNDPCKETVPSEMETGDLCAADAPTPKSL
DB GMPGHTDMHEVGVNLGLYHVFKGVSERSCNDPCKETVPSEMETGDLCAADAPTPKSL
QY 550 CREPEPTSDTCGTFRPGAFPTNYSYTDNCTDNFTFNOVARMHCYLDLVYQWTESRX
DB CGDPEBGNDTCGFHSFPTNFMNSYADDCDCTDSTFNOVARMHCYLDLVYQWPSRX
QY 610 PPTPIIPMVIGQTKSLTIHMLPPISGVYVDRAGSLCGACTEDGTFRQYHYHTASRRV
DB PAFVALAPQVLDHTTDSVTLLEWFPPLDGHFPERBELGSACHLCEGRILVQYASNASSPMP
QY 670 CDSGYWTPREBAVGPDPVQCEPSLOASPEVHLVHMMVPCP--TEGCSLELLFOHNV
DB CSPSGHMSREAREGHNDVQPCSSVYRTSPNSAVPHVTVPACCEPQCYELEFLYVL
QY 729 QADTTLWMT--SFMESQVLFDETEILLENKESVHGLDTCDFCDIPLTIKL-HVDGKVS
DB VPESTLIWTFVTWMDSSGAVNDIGLAVSGKNISLGHQVFCVDPPLTIRLMDGEEYV
QY 766 GYKVTTPFRERIDALALTSOPHSPICSGCGRVRYOVLADPPRAGSLPVVYTHSHRKF
DB GIQIYTLDEHLEIDAMLTSTADTPLCLQCKPLKXKVAVDPLQMDVASITL-HLRKFPD
QY 846 VEVTPGQWYOYVLAAGGELGASPLNHHGAPRCGAGKVSERLSEGCDDGDVLSG
DB MDLNTGSYQVYVITISGTESEBSPAVYIHGRGCGGIIQKQDGEQCDMDMKNKING
QY 906 CSKVCLEBGFNCVGPSLCYMVBGDGCEPERKTSIVDCGIYTPKGYLDOMATRAVSS
DB CSLFGRQVSPFCIDEPSCYFHDDGVCBEFEGKTSINDCGVYTPQGLDQWASNAAS
QY 966 HEDKKKCPVSLVTGP-HSLICTSYHPLDLPNHRPLTGMPFVASENETODDRSEQDESL
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DB 1031 HOD-QQCGWYIIGPPASQVCRKIVDLSGICISQAHMYPCTISTYPSQ-----
QY 1025 KKEDEVMKVCFNRRGEARAFIPLTTDGLVGEHQPTVTLYLTVDSGNSHSLGTGSL
DB 1079 LAQTFTMLRAVFSQGMVAAYIYHVLVTDTGYGDDQKQSTISVQLDLTDQSHDLGHLVLS
QY 1085 CQHPPLIYNVTHQNVLFPHITTSVLNASSPRVYISAVALTSSRIGLSASNSCSEDEG
DB CRNPELIPVYHDSIQPRYHQAVRVSFSPVLVAISGVALSFDNFDPVLTSSC-ORGET
QY 1145 QNHQSGCIRHPCGKQDSCPSILLDHDVANCSTSI---GFLMKCATTCORGALQASS
DB YSPABQSCVHFRACEKT-DPELAVENAS-LNCSSSDRTHG--AQCTVSCRTGYLQIR
QY 1201 GQYIRPMQ--KEILLTSSGMDQNVSCLPYDCGVDPDSLNVYANFSCSEGTFLKRSI
DB DDELKSGQTSVYVTCGEMKNKQVACBPDCSIPDHQVYAAFSCEGTFFGSCSF
QY 1259 SCVPRAKIQGLSPWLTCLEDGLMSLPYVYCYLBCDAPRIINANULLPHCLQDNHDTI
DB QCRHPAQKGNNSLLTCWEDGLMSFPFALCELMCLAPPVYNADLQTRACRENKHVSF
QY 1319 CRYECKPGYVYABASBEGKVRKMLKIQCLBEGGIVEQSGCIPVCEPPEVFEGETCTNG
DB CKYKCKPETHVPGSSR-KSKRAFTTQCTQDSMOEGACVYVTCDPPEPKHGLYQCTNG
QY 1379 FSLDQCYLNC-----NOERKPLITCKEGLMTQEFKLCENTQGBCPPPSBLNS-VEX
DB FQFNSECKIKCEDSDASGGLSNVYHCKRKGTMNGSFVQCQBMQGC-SVPELANSNKL
QY 1433 KCBQGYIGAVCSPLCYTPESDPVMLPENITADLTLEHMBEYKQSYLYCTGRQHPV
DB QCPDYALGSSCARSCLDNBSHSIILPMNVYVRIDPHLNFTRERVVCTGLKMYRHPA
QY 1493 LVHCTQSCPEPQADQDCDCTINNRAVCHYDGGSCSTLSSKKVLPFADCDLD-BCTGRD
DB LIHCYKGEPPMGDNYCDALNNRAFCNTDGDCTSTYKTKVTPFPMSCLQGCACRD
QY 1552 PKAEEN 1557
DB 1611 PQAOEH 1616

RESULT 13
US-10-887-229A-8
; Sequence 8, Application US/10887229A
; Publication No. US20050148509A1
; GENERAL INFORMATION:
; APPLICANT: DAKE, BRIAN
; APPLICANT: BOOTH, BARBARA
; APPLICANT: BOES, MARY
; APPLICANT: BAR, ROBERT S.
; TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY
; FILE REFERENCE: IOWA:049US
; CURRENT APPLICATION NUMBER: US/10/887.229A
; PRIOR FILING DATE: 2004-07-08
; PRIOR APPLICATION NUMBER: 60/538,000
; PRIOR FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: 60/485,846
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-887-229A-8

Query Match      45.5%: Score 3916.5; DB 5; Length 1627;
Best Local Similarity 45.8%: Pred. No. 9.3e-297;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;
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QY 16 REAFETNSOVLPR--ILYFSGRERL-LRPEVLAIEPREAFTVEAWKPEGGONNPAII 72
DB 80 REARGATEBSPSRALYFSGRGEQLRVLRADE--ELPRDAFTLQVWLABEGQSRPAVI 137
QY 73 AGVFDKSHTVSDKGMALGSRGKDKGRPARPPFSLCTDRVKATILILSHSRVQGTW 132
DB 138 TGLYDCSISIRKDRVWVGHTLISDQNDKPRYFSLKTDRAQVTTINARSYLPLQWV 197
QY 133 HVAATDGRHMAIYVGTQVASSLDQSGPLNSPFMACSRSLILGSDSEBDGHYFRGLGT 192
DB 198 YLAATTDGQFMKLYNAGAVATSGEOVGIFSPLTQCKVLMAG--SALNNHYRGYIEH 255
QY 193 LVFWSTALPOSHFOHSSQSSGEBEATDVLVLTASFEVNTWVPFDEKXPRLV--LQ 250
DB 256 FSLMKVARTQREILISDETHGAHTALPQLLQENWMDVVKIAMS PMQDGSFKVEFSNAG 315
QY 251 FEREPRILSPLOPLCGQVYCDNVELISQYNGWPLRGEVITQYVNICDDGLAPYIS 310
DB 316 FLDD---TSLBPLCGQTLCDNTEVYASYNQSSFPQPVYRVVNLVEDDHKRPYV 371
QY 311 BEQIRLOHEALNBAFRYNIWMQSVYQVANSITLRRVVLVNCPSKIGNDHCPCEHP 370
DB 372 REVDYQNHQOLARAFQYINISWELDVLEVNSSILRRILANDISKIGBENDPECNHT 431
QY 371 LFGYDGDGR-LQRCYSWNRADGLCHVECNMLNDFDGDCCDPOVADVRKTCFDPSP 429
DB 432 LTHDGDGDCRHLRHPAFKKQNHGVCMDCYERFNDGGECCDPEITVNTQCFDPDSF 491
QY 430 KARVYVKEIKELQINSTPLNITPASYRBDLAGAATTPMKDVAITHLGGIVLSPAY 489
DB 492 HRAVYLVNBLKNIKLDGSHLNI FPAKSEEBELAGATPMDKELMHLGGIVLNSPF 551
QY 490 GMEGHTDTMHEGVHGLYHVPKGVSRERSCNDPCKETVPSMETGDLADTAPTRSEL 549
DB 552 GMEGHTHTMHEHSHGLYHVRGISEIOSCSDPCMETPSETGDLCDNTPAKKHS 611
QY 550 CREPEPTSDTCGTRPPGAPFTNYMSYTDNCTDNFTPNQVAMHCLYDLVYQWTESRK 609
DB 612 CGDPGNDTCGFHSPFNPNFMSYADDDCTDSFTPNQVAMHCLYDLVYQWPSRK 671
QY 610 PPIPIPRPVNIQGTNKSITLHMLPRISGVVYDPASSLCGACTEDGTFRQYVNTASSRY 669
DB 672 PAVVALAPOLGHTTOSVTLWMPPLDGHFERELASACHLCLEGRILVOYASNASPP 731
QY 670 CQSSGYWTEBEAYGPPDVQPCSELOAMSPPVHLVHMNTVPCP--TBGSLLELQHP 728
DB 732 CSPSGHMSPREAAGHPDVBQPCSSSVRTSPNSAVNPHTPPACPEPQCYLLEFLYPL 791
QY 729 QADTTLVMT--SFPMSSQVLPDFTBILLENKESVHLGPLDTCDIPLTKL-HVDGKYS 785
DB 792 VPESLTIWTFVSTWDDSSGAVNDIKLAVSGNISLGPNVFCVDPILTRIMDVGBRY 851
QY 786 GYKAVITPDERIEIDALLTSQHPSPICSGCRPVRYOVLDPAPASGLPVVVTSHRKF 845
DB 852 GIQIYTLDRLEIDAMLTSTADTPLCTCKPLKYKVVVRPPLQMVAVASITL-HANKFPV 910
QY 846 VEVTPEGMTOYUOLAEAGELGASPLNHHGAPYCGDGKESERLSEBDDGDLVSGD 905
DB 911 MDNLASVTOYVWTTISGTEBSPSPAVYTIHGRGTCGDDI IQKQDQSBDDNNKINGD 970
QY 906 CSKVCSELBEGFNCVSGPSLCYMEGDGICPPEPKRTSIVDGYTPKGYLDQWATRAS 965
DB 971 CSUFCQGEVSNFNCIDPSRCYFHDGQVCEFEQKTSIKDCGYTTOGFLDQANASYS 1030
QY 966 HEKAKCPSVLTGEP--HSLICTSYHBDLPNHRPLTGMFCVASENETODRSEBEGSL 1024
DB 1031 HOD-QOCFQVVIIGQPAASQVCTKYIDLSBGISQHAMWPCITISYPSQ----- 1078
QY 1025 KKEDEWLVKVCNRPPEARAFIFIPLTDLVPEGHQOPTVLTLYTVRGSNHSIGTYGS 1084
DB 1079 LAGTTWMLAYSQPVAAVAVIHALVTDGTYGDKETISVOLDLTKDQSHDLGHLVLS 1138
QY 1085 COHNPILINVTIRHONVLFHTTISVLLNFSSPRVGISAVALTSSRIGLSAPNSCISED 1144

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DB 1139 CRNNPLIIVVNDLSQPFYHSAQVRFSSPLVAISGVALRSPDNEDPVTLSSC-ORGET 1197
QY 1145 QNHQGSQCIHRPCKDSCPSLLDRAVNVCSI-----GPMKCAITQGFALQAS 1200
DB 1198 YSPABOSCVAFAEKT-DPELAVENAS-LNCSSTRYHG--AQCTSCRTGYLQIR 1252
QY 1201 GOYIRPMQ--KEILLTSSGHDQNVSCLPVDCGVPDPSLVVYANFSCSEGTFLRC 1258
DB 1253 DBELISQVGSVTVTCTGKNKNKQVACGPVDCIFDHHQVLAASFCBGTTFSGQCF 1312
QY 1259 SCVPRAKLOGLSPWLTCLDEGLMSLPEVYCKLBODAPRILIANLILPHCLQDNHVG 1318
DB 1313 QCRHFAQLGNNISLILCMEDGJMSFPEALCEIMCLAPRPVPVADLQOTARCERKHYGSF 1372
QY 1319 CRYECKRGYVYASAGKVRANLTKICLEGGMWBGSCIPVCEPPEPVFEGMCTNG 1378
DB 1373 CKYCKRPGYHVPSSR-KSKKRAFKYQCTQDSDMGCACVPYCDPPRPFHGLYQCTNG 1431
QY 1379 FSLDSQCVLNC-----NQERKLPILCTREGLMTOEFKLCENLOGECPPESELAN-VEY 1432
DB 1432 FQNSSECRICKEDSDASQGLGSNVHCRDGTWNSFHYCQEMQGC-SVPNENLNLKL 1490
QY 1433 KCEQYIGAVCSPLCVIPSPVWMLPENITADTLEHMEPVYKQSIYCTGRQWHPDY 1492
DB 1491 QCPDGYAISSECATSCLDHNSISILIPNVTVRDIPIHMLNPTFRVERVCTAGIKWPHPA 1550
QY 1493 LVHCTIOSCFPADGCDITINRAYCHYDGCSSSTLSSKYIIPRABDCLD-ECTCRD 1551
DB 1551 LHVCHVGCPEPMGNDYCAINRPAFCNYDGOCTISTYKTKVTPPMSCDLOGDCARD 1610
QY 1552 PRAEN 1557
DB 1611 PQAQH 1616

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RESULT 14
US-10-783-311-2
; Sequence 2, Application US/10783311
; Publication NO. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; CURRENT FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FaastsBQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2

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Query Match 45.5%; Score 3914.5; DB 5; Length 1547;
Best Local Similarity 46.1%; Pred. No. 1.2e-296;
Matches 714; Conservative 295; Mismatches 490; Indels 51; Gaps 24;

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QY 30 LYFSGRERL-LRPEVLAIEPREAFTVEAWKPEGGONNPAIIAGVFNCGHTVSDKGM 88
DB 16 LYFSGRGEQLRVLRADE--ELPRDAFTLQVWLABEGQSRPAVITGLYKCSYISDRGW 73
QY 89 ALGIRSKDKGRDARFFSLCTDRVKATILILSHSRVQGTWTHVAATYDGRHMAIYVD 148
DB 74 VVGHTISDQNDKDPREYFSLKTDRAQVTTINARSYLPGQWVYLAATYDQFMKLYN 133
QY 149 GROVASSLDQSGPLNSPFMACSRSLILGSDSEBDGHYFRGHGTLVFWSTALPOSHFQHS 208
DB 134 GAOVATSGEOVGIFSPLTQCKVLMAG--SALNNHYRGYIEHPSLMVARTQREILSD 191

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Qy	209	QÖHSGBEARDIVLTASFEEVNTWEMVPEFBEKPRLEV---LOGPEPEPILISLOPIC	266
Db	192	MEYGAHTALPOLLEQENMDVKNKAMSPKQSSCKEFSNAHGFLD---TLEPPLC	247
Qy	267	GOVCADNELLISOYNGWYPLRGEKIRQOVNNICDEBLANPVBEOQIRLOHRLMNEAFS	326
Db	248	GOTLCDNNEVASYNQOLSPFOPKVVRVNVIVEDHKNPTRREQDPOHQDLAEFK	307
Qy	327	RYNISMOQSVHQVHNSTLRHVLVNCPEPSKIGNDHCDPCEHPLTGYDGDGR-LOGRC	385
Db	308	QYNISMEIDVLEVSNSLRRLILAMCDSIKXIGENCDPECHNLTGHDGDCHRLRPA	367
Qy	386	YSNMRDGLCHEVCNNMLNDFDDGCDPOVADYRKTCEFDSDSPRAYMSKELKEALOL	445
Db	368	FVKQÖHNSVCMDCYERPNFDGECCEBPETNTYOTCFDPSPRRALVDNELKNILKL	427
Qy	446	NSTHPLNTYFASVVEDAGATWPMWDXOATYHLOGIYLSFPAUYGMPGHTDTMHEGVH	505
Db	428	DGSHNLNFFPAKSSBEELAGVATWPMWDXEALMHIGIYLANSPFGMPHTHTMHEIGHS	487
Qy	506	LGLYHVFQVSEBESCDNPKCEYVPSMETGOLCADTAPTRYSBLCREBEPSTOCGTRF	565
Db	488	LGLYHVFQGISEIOGSCDPCMETEPEFETGOLCNDTNPAPKHKSCGDPEGNDTCGFHSF	547
Qy	566	PGAPRTNMTSTDNCTDNFTPNQVABNHCYLDLYOQWESRRKTPRIPRPMYIGQNK	625
Db	548	FNTPRNNMSTYADDCTDSTFPTNOVARNHCYLDLYOQWOPSRRKAPALAPVYLGHTD	607
Qy	626	SLTIHMLPPIGUVVYDRAAGSLCGACTEDGTFRQYVTHASSRRVSDSGWTPBEAVGP	685
Db	608	SVTLEMPPIGHPFERELBSACHLCLEGRLLVQYASASPMPCSPBGHNSPREABOHP	667
Qy	686	DVDOPCEBSLOAMSBEPVHLYHNNMTVPCR-TEGCSLELLFQHPVQADTLTLMVT--SFFM	742
Db	668	DVEOPCKSSVWTSPNSAVNPHETVPAPCPBPQGCYLEPEFLYPLVPEBSLTIWTVFVSTDW	727
Qy	743	ESSQVLPRTLELLENKESVHLGRPDTCDDILPTKL-HVDQAGSVKYUTEDEHLEIDAA	801
Db	728	DSSGAVNDIKLLAVSGNKSILGPPQNVFCDPVPLTKLMOVGEEVGIQYTLLENHEIDAA	787
Qy	802	LITSQHPRLCSGCRPVRYOVLDRDPFASGLPVVVTSHRRKFTVDEYVPGOMYOYULAB	861
Db	788	MUTISADTLPRLCQCKPLKXKVVRODPLQMDVASTL-HLNKRFVMDMLAGSVYQWYITI	846
Qy	862	AGGELGEASPRNLNHIGAPYCGDGKVSRLBECDDGLVSGDGCSKYCLBEGFNCGE	921
Db	847	SGTESBESPSPAWYTHGRGYCGDGIIOQDQEQCDNMKNKINGDCSILPCROBVSFNCTDE	906
Qy	922	PSLCMTMGDGI CEPEFEKRTSIVDQGITPRGYLDQMTAAYASHHEDKKKPVSLYNGEP	981
Db	907	PSRCRPFHNGDGCCEFEKRTSIXQCGVVTPOGFLDQMSNMSVSHQD--QOCPEGWITIGOP	965
Qy	982	-HSLTCTSYHPLDPNHRPLTGMFPCVASENENODDRSEQPEGSLKEDBVMKYCFNPRG	1040
Db	966	LAASQVCRKTVLDLSGCTISQAHMYFCTISYPSQ-----LAQTTFMKRAYFSQPM	1014
Qy	1041	EARAFIFLTTDGLVPGEHQOPTVLTLYLDVAGSNHSLGTGYGLSCQHNPLIINTYHQNV	1100
Db	1015	VAAAYIVHLVTDGTYYDQKQETISVQGLDQDGHDLGHLNVLSCRNPLIIPVNHDSQ	1074
Qy	1101	LFPHNTSVLPLNPSRVRGISAVALATSSRIGLSAPSNCTISDEBQGNHOGQCSHRPCKQ	1166
Db	1075	PYHNSQAVRSPSSPLVAISGVALLSPFNFPVTLSSC-QRGETYSPRAEQSVHFACEKT	1133
Qy	1161	DSCPFLDLHDHVDVNCSTI---GPGLMKCAITCORGFALASSGOYIRPMQ--KEIILT	1214
Db	1134	D-CEPLAVENMS-LNCSSSDRHNG--AQCTYSCITGYVLQIRRDDELIXQYQEPSVYVT	1188
Qy	1215	CSSGHMDQVNSCLPYDCGVDPBSLVNLYANFSCSEGTKEPLKQCSISCVPRAKLOGLSPWLT	1274
Db	1189	CTBEGKMNQVACEPBDGSIPIBHQYUAYASFSCPEBGTTCGQSCSFCGRPAQLOKNNNSLTT	1248
Qy	1275	CLBEGJMSLPREYCYKLECDAPRTILNANMLPHCLQDNHNDVGTIKCYCKEYUYABSAE	1334

Db	1249	CMEQGLMSPEFALCELMCLAPRPVFNADLTQARCREKHKHVGSCFKYCKRGYHVPESSR	1308
Qy	1335	GKYNKLLKLCCEGGTWBQSGCIPVCEEPRPPEBEMVECTGFSLDSCVLYNC-----	1389
Db	1309	-KSKRRPFKQCTQDGSWQBGACRPVTCDDPRPFKPHLYCTGTCFQNSCEKRICESDSA	1367
Qy	1390	NOERKAPILCTYKGLWTFQKLCENIQSGCEPPPSHLS-VEYKCEQGYGIGAVGSPLC	1448
Db	1368	SGGLGSNVNHCIRKQGTWNGSGFHHVOEMQOGC-SVFNFLNENLKLCQCDGVALGSEBCATSC	1426
Qy	1449	VIPSPDPMVLPENITADTLTEHMEPVPVQGIISGRGQMPDPVLYVHCISGCEPQADGW	1508
Db	1427	LDHNSSEIILPMTVYADIPHMLNPRVERVNVCTAGLAKMTPHRALIYICVAGCEPFGMDNY	1486
Qy	1509	CDTINNPAVCHYGQDCCSSTLSKKYIIPRAACDDL-ECTCPDRKAEK	1557
Db	1487	CDALINNPAPFCNYDGGDCCSTIVTKKRYTPRPMGCDLGGDACRBPQAOEH	1536

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RESULT 15
US-10-450-763-41497
; Sequence 41497, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 41497
; LENGTH: 1752
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (632)..(643)
; OTHER INFORMATION: Neutral zinc metalloproteinases zinc-binding region proteins.
; OTHER INFORMATION: domain identified by eMATRIX, accession number BL00142, p-value=
; OTHER INFORMATION: 6.625e-10, raw score of 8.38
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1288)..(1544)
; OTHER INFORMATION: Sushi domain (SCR repeat) domain identified by Pfam.
; OTHER INFORMATION: accession name sushi, E-value=2.6e-18, Pfam score of 74.3
US-10-450-763-41497

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Query Match	45.4%;	Score 3909.5;	DB 5;	Length 1752;
Best Local Similarity	45.8%;	Pred. No. 3.7e-296;		
Matches 717;	Conservative 294;	Mismatches 502;	Indels 53;	Gaps 25;

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QY 16 EAETFNQVGLP--ILFESGRRLT-LRPVLAIPEEAETVEMVREGONNPAT 72
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D6 211 TGLYDKCSYISBRGMVVGIIHTISDQNDKDPRIYFSLKTRDARQTTIANKHSYLEGQWY 270
QY 133 HVAATYDGRHMLYDTQVAVSLDQSGPLNPFMAFCRLSLIGDSSDEGHYFRHGLGT 192
D6 271 YLAATYDQFMKLYNGAOVATSGQVGSIFSLPQCKKATLWLG--SLANNHYKRYIEH 328
QY 193 LVFNSTALPQSHFQSSQSSGSEEBATLVTLASFEPVTEWVPFDEKCYPRLEV--LQG 250

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329 FSLMKAFATORELISDMETHGAHTALPOLLQENMNDVKHAMS PMQDGSFVKFESNANG 388  
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DB 389 FLID-----TSLBEPPLCGQTLCDNTEVILASYNQSSFRQRPVAVRVNVLIEDHKNPTYT 444  
QY 311 EEBIRLOHEALNBAFSRINI SMQLSYHQVNSTLRHRVVLNCEPSKIGNDHDCPECEHP 370  
DB 445 RBQVVDQHQOAEAFQOYNISWEILDVLEKSNSSLRRRLILANCDISKIGENCDPCENHT 504  
QY 371 LFGYDGDPCR-LOGRCVSNMRBDGLCHVEGNMNLNPDODGCCDPOVADVRKTCFPPDDP 429  
DB 505 LTHGDGDCNHLHHPFVKQKHNGVCDMDCNTERFNDGSECDPELTNTYTQCCFPDSDP 564  
QY 430 KRAMSVKELKEALQUNSTHFLNIYFASVREBDLAGATWPMKDAVTHLGIVLSPAY 489  
DB 565 HRAYLVNVELKNLKDGSHTLNI FPAKSEEBELAGATWPMKELMLHGGIVLNPSTY 624  
QY 490 GMPGHTDTMIEHGVHVLGLYHVFKVSEBSCNDPCKETVPSMETGDLCADTAPTKSBL 549  
DB 625 GMEGHTHTMIHEIGHSLGLYHVRGISEIQSCSDPCMETEPSPETGDLCDNTVPARKHS 684  
QY 550 CREPEPTSDTCGTRPGAPFTYMSYTDNCTDNFTPNQVAMHGYLULVYQOMTESRK 609  
DB 685 CGDPGFGNDTCGHSFNTFPYNNFMSYADDCTDSFTPNQVAMHGYLULVYQOMPSRK 744  
QY 610 PTEPIPIPMVIGQTNKSLTIHMLPRLSGVYVDRASGLGACETDGTFRQYVHTASSRV 669  
DB 745 PAVVALAPQVLGHTTSDVLEWFPRLDGHFFERELGSACHLCLEGRILVQYASNASSPMP 804  
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QY 729 QADTLLMT--SFFMSSQVLEDTBILLENKSVHLGRLDTFCDIPLTIKL-HYDGKVS 785  
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QY 846 VEVTPEQOMTQOYVLADAGELGASPLNHIHAPYCGDGKVSERLGEBCDDGLVSDG 905  
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DB 1326 DBELIKSQGSPSVYVCTEGKMNKQVACEPVDCSI PDHQVYAAFSCEGTTFGSCSF 1385  
QY 1259 SCVPRAKLOGLSMILCLADGLMSLBEVYCKLECDAPRIILANLILPHCLQDNHVGIT 1318  
DB 1386 QCRHPAQLGKNNSLITCMEDGLMSFPEALCELMCLAPPPVPNADLQJARCREKHKVGSF 1445

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DB 1564 QCPDGAITSBCATSCIDHNSSEIILPMNVYTRDI PHMLNPRVERKVCCTAGLMTPHPA 1623  
QY 1493 LVHCIQSCBPQADGWCDTIINRRAYCHYDGDCCSSTLSKXVIIPRADCDLD-BCTCRD 1551  
DB 1624 LIHCYVGCSPFMDNYCDALNNRAFCNVDGDPCCSTVTKKVTTPPMSCDLQGCACRD 1683  
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DB 1684 PQGPRN 1689

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Job time : 95.5297 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:10:52 ; Search time 26.7393 Seconds  
(without alignments)  
5537.617 Million cell updates/sec

Title: US-09-983-025B-2

Perfect score: 9856  
Sequence: 1 MMCLKLRISLALAGMALC.....AADCDDECTCRPKAEMQ 1791

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Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

1: Issued Patents AA:\*  
2: /cgn2\_6/prodata/1/aa/5/COMB.pep:\*  
3: /cgn2\_6/prodata/1/aa/6/COMB.pep:\*  
4: /cgn2\_6/prodata/1/aa/H/COMB.pep:\*  
5: /cgn2\_6/prodata/1/aa/RE/COMB.pep:\*  
6: /cgn2\_6/prodata/1/aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	9507	96.5	1770	2	US-09-827-998-10
3	7363	74.7	1385	2	US-09-827-998-16
4	1709	17.3	717	2	US-09-949-016-9436
5	336.5	3.4	3594	2	US-09-911-842A-4
6	330.5	3.4	3571	2	US-09-911-842A-2
7	292.5	3.0	2489	2	US-09-911-842A-5
8	287.5	2.9	1847	6	5256642-10
9	287.5	2.9	1847	6	5472939-10
10	287.5	2.9	2039	6	5256642-2
11	287.5	2.9	2039	6	5472939-2
12	287	2.9	1947	2	US-09-612-314A-52
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19	249.5	2.5	1012	2	US-08-126-505A-15
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21	249	2.5	1033	2	US-09-834-309-1
22	243.5	2.5	830	4	PCT-US91-05059-2
23	236	2.4	577	1	US-08-435-149-3
24	236	2.4	611	2	US-09-475-460A-32
25	236	2.4	611	2	US-09-748-061A-32
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28	230.5	2.3	610	1	US-08-365-470-3	Sequence 3, Appl
29	230.5	2.3	610	2	US-09-209-668-19	Sequence 12, Appl
30	230.5	2.3	610	2	US-09-009-490A-89	Sequence 89, Appl
31	230.5	2.3	610	2	US-09-949-016-5942	Sequence 5942, Ap
32	230.5	2.3	610	2	US-09-982-262C-90	Sequence 90, Appl
33	230.5	2.3	610	6	5217870-2	Patent No. 5217870
34	230.5	2.3	647	2	US-09-949-016-10272	Sequence 10272, A
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37	218.5	2.2	1025	2	US-09-834-309-5	Sequence 5, Appl
38	218	2.2	376	2	US-09-844-311-2	Sequence 2, Appl
39	215	2.2	381	2	US-09-014-240-2	Sequence 2, Appl
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42	211	2.1	1833	2	US-08-479-722B-2	Sequence 2, Appl
43	211	2.1	1833	2	US-09-592-685-2	Sequence 2, Appl
44	211	2.1	1833	4	PCT-US95-02251-18	Sequence 18, Appl
45	209.5	2.1	324	1	US-08-310-416A-14	Sequence 14, Appl

#### ALIGNMENTS

RESULT 1									
US-09-827-998-3									
Sequence 3, Application US/09827998									
Patent No. 6656700									
GENERAL INFORMATION:									
APPLICANT: Gu, Yizhong									
APPLICANT: Shannon, Mark									
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E									
FILE REFERENCE: MDH00R-8									
CURRENT APPLICATION NUMBER: US/09/827,998									
CURRENT FILING DATE: 2001-04-06									
PRIOR APPLICATION NUMBER: US 60/207,456									
PRIOR FILING DATE: 2000-05-26									
PRIOR APPLICATION NUMBER: US 60/236,359									
PRIOR FILING DATE: 2000-09-27									
NUMBER OF SEQ ID NOS: 1881									
SOFTWARE: Aecmca Sequence Listing Engine									
Patent No. 6656700									
SEQ ID NO 3									
LENGTH: 1791									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-827-998-3									
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Best Local Similarity 99.8%; Score 9836; DB 2; Length 1791;									
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DB	61	ASPDHHLFGVYPSRAGNYLRYPVGEQIHTHGRSKPDTEGNANVSLVPPDLTENPAGLNG	120						
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DB	181	NEPKPETGRGAQSKRQRQWKRRAEDQSGISSHFOPMPIKSLKRVKKSPEEEN	240						
QY	241	QNGEGSYREAEFTNSQVGLPILYFSGRERLLPREVLAIPREAFTEAWVKEGCGN	300						
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Db 301 NPAIAGVFNCSHTVSDKGMALGIRSGDKGRDARFFESLCTDRVKATLILISHSRVQ 360  
Qy 361 PGTWTHVATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMAQCRSLLLGGSDSEDDHYR 420  
Db 361 PGTWTHVATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMAQCRSLLLGGSDSEDDHYR 420  
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Qy 601 EHPILTYDGDGDCRLQGRCYSMNRDGLCHVECNMMLNPDGDCDPOVADYKTCFDDP 660  
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Qy 961 VOADTLTLWVTSFWMSSQVLPDTLLENKESVHLGPDTCFIDILTIKLHVDGKAVSY 1020  
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Db 1081 VTRPGMYQVOLAAGGELGEASPRLNHTHGARYCGDDKVSRELSGECDDGLVSGDGS 1140  
Qy 1141 KVCLEBEGNCVGEPSLCYMEBDGICBPERKTSIVDCGIIYTPKGYLDQMATRAVSSHE 1200  
Db 1141 KVCLEBEGNCVGEPSLCYMEBDGICBPERKTSIVDCGIIYTPKGYLDQMATRAVSSHE 1200  
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Db 1261 DEVMKLVCFNRPEBAARIFILTTDGLVGEHQPVVTLVLDVRSNNSLGYIGLSCH 1320  
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Db 1741 WCDTINNRAYCHYDGDCCSSTLSKXYIPPAACDLDECTCRDPAEENQ 1791

RESULT 2  
US-09-827-998-10  
; Sequence 10, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDWORF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecmica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-827-998-10

Query Match 96.5%; Score 9507; DB 2; Length 1770;  
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Db 61 ASPOHHLFGVYPSRAQNTLYRPVGEBOEIHHTGRSKPDTGNAVSLVPPDLTENPAGLNG 120  
Qy 121 AVEBPAAVPGVSPIGQSELLDDDAIYLGNSKKSLSBAGIQKSSAMAATTITTAIFTL 180  
Db 121 AVEBPAAVPGVSPIGQSELLDDDAIYLGNSKKSLSBAGIQKSSAMAATTITTAIFTL 180  
Qy 181 NEPKETORRGAKSROROROVWKRAABDQGSISHPQPPKXSLKRVKXSPRESN 240  
Db 181 NEPKETORRGAKSROROROVWKRAABDQGSISHPQPPKXSLKRVKXSPRESN 240  
Qy 241 QNGGEGSYREAEPTFNSQVGLPILYFSGRERLLRPVLAELPREAFVTEAVNKEGQGN 300  
Db 241 QNGGEGSYREAEPTFNSQVGLPILYFSGRERLLRPVLAELPREAFVTEAVNKEGQGN 300



QY 301 NPAILAGVFNCSHTVSDKGMALGIRSGKDKGRDARFFSLCTDRYKATILISHSRVQ 360  
DB 301 NPAILAGVFNCSHTVSDKGMALGIRSGKDKGRDARFFSLCTDRYKATILISHSRVQ 360  
QY 361 PGTWHTAATYDGRHMAIYVDTQVAASLDQSGPLSPFMAASCSLLLGSDSEBDGYFR 420  
DB 361 PGTWHTAATYDGRHMAIYVDTQVAASLDQSGPLSPFMAASCSLLLGSDSEBDGYFR 420  
QY 421 GHIGTLVFNSTALPOSHFQHSQHSQSGEBATDLVLTASPEVNTENVPRDEKYPRLV 480  
DB 421 GHIGTLVFNSTALPOSHFQHSQHSQSGEBATDLVLTASPEVNTENVPRDEKYPRLV 480  
QY 481 LQGFEBEPELISLQPLQCGQTVCDNVELISQYNGWVPLAGEVIRVQVNICDDGSLN 540  
DB 481 LQGFEBEPELISLQPLQCGQTVCDNVELISQYNGWVPLAGEVIRVQVNICDDGSLN 540  
QY 541 IYSEBQIRLOHEALNEAFSRYNISWQLSVHVNSTLRHVRVLVNCESPKIGNDHCDPEC 600  
DB 541 IYSEBQIRLOHEALNEAFSRYNISWQLSVHVNSTLRHVRVLVNCESPKIGNDHCDPEC 600  
QY 601 EHPITGIDGDCQLQGRCTISWNRDGLCHVECNMNLNPDGDCDQVADVRKTCFDPD 660  
DB 601 EHPITGIDGDCQLQGRCTISWNRDGLCHVECNMNLNPDGDCDQVADVRKTCFDPD 660  
QY 661 SPKRAYMSVKEALKEALQUNSTHFLNTYFASVREDLAGAATWMDKDAVTHLGIVLSRA 720  
DB 661 SPKRAYMSVKEALKEALQUNSTHFLNTYFASVREDLAGAATWMDKDAVTHLGIVLSRA 720  
QY 721 YVGMPEHTDTMIEVGHVGLYHVFQGVSESCNDRCKETVSMETGDLCAJTAJTPKS 780  
DB 721 YVGMPEHTDTMIEVGHVGLYHVFQGVSESCNDRCKETVSMETGDLCAJTAJTPKS 780  
QY 781 ELCREBEPTSDTCGTRFPGAPFTNMSYTDNCTDNFTNQYARHMCYLDLVYQOWTES 840  
DB 781 ELCREBEPTSDTCGTRFPGAPFTNMSYTDNCTDNFTNQYARHMCYLDLVYQOWTES 840  
QY 841 RKPTPIPIPMVIGQNKSLITIMWLPISGVYVDASGSLCGACTEDGTFRQVYHNASR 900  
DB 841 RKPTPIPIPMVIGQNKSLITIMWLPISGVYVDASGSLCGACTEDGTFRQVYHNASR 900  
QY 901 RVCDSGMYTPBEAVPBPVDOCPCEPSLOMSPEVHLHYNNMVPCTEBCSELFPQH 960  
DB 901 RVCDSGMYTPBEAVPBPVDOCPCEPSLOMSPEVHLHYNNMVPCTEBCSELFPQH 960  
QY 961 VQADTLTLWVTSFPMSSQVLPDTEILLNKESVHLGPDTCFCDIPILIKLHVDGKVSQV 1020  
DB 961 VQADTLTLWVTSFPMSSQVLPDTEILLNKESVHLGPDTCFCDIPILIKLHVDGKVSQV 1020  
QY 1021 KYTTPBERIEIDALLTSQPHSLGSGCRPVYQVLRDPPFASGLPVVYTHSHRKFTDVE 1080  
DB 1021 KYTTPBERIEIDALLTSQPHSLGSGCRPVYQVLRDPPFASGLPVVYTHSHRKFTDVE 1080  
QY 1081 VTPGMYOVOLAEGAGELGASPRLNHIGAYCQDGKXSESLGECDDGDIIVSDGGS 1140  
DB 1081 VTPGMYOVOLAEGAGELGASPRLNHIGAYCQDGKXSESLGECDDGDIIVSDGGS 1140  
QY 1141 KYCELEBEGFNCVGEPSLCTMYBGDGCCEPERKTSIVDGGIYTPKCYLQOMATRAVSSHE 1200  
DB 1141 KYCELEBEGFNCVGEPSLCTMYBGDGCCEPERKTSIVDGGIYTPKCYLQOMATRAVSSHE 1200  
QY 1201 DKKKCVSLVTGEPSLICTSYHPLPNHRPLTGMFPVCAASENETODDSEBEGSLKKE 1260  
DB 1201 DKKKCVSLVTGEPSLICTSYHPLPNHRPLTGMFPVCAASENETODDSEBEGSLKKE 1260  
QY 1261 DEWMLVVCNRPBEAARIFLFTTDLVPEGHQOPVTYLYLTVRSNNSLGTGYGSCQH 1320  
DB 1261 DEWMLVVCNRPBEAARIFLFTTDLVPEGHQOPVTYLYLTVRSNNSLGTGYGSCQH 1320  
QY 1321 NPLIIVNTHQNVLFHHTTSVLNFSAPRYGISAVALRTSSRIGLAPNSCISEDEGQNH 1380  
DB 1321 NPLIIVNTHQNVLFHHTTSVLNFSAPRYGISAVALRTSSRIGLAPNSCISEDEGQNH 1380

QY 1381 QGOSCIHRPGKODSCPSLLLDHADVNTSISGPMKCAITGQRPALQASSGOYIRPM 1440  
DB 1381 QGOSCIHRPGKODSCPSLLLDHADVNTSISGPMKCAITGQRPALQASSGOYIRPM 1440  
QY 1441 QKEILLTCSGMDQNVSLPVDGVPDPSLVYANFSGSEGTPLKRCISICVPAKQ 1500  
DB 1441 QKEILLTCSGMDQNVSLPVDGVPDPSLVYANFSGSEGTPLKRCISICVPAKQ 1500  
QY 1501 GLSPWLTCLBEDGLMSLPEYCYKLECDAPRILIANALLPHCLQDNHDVGTICKECKPGY 1560  
DB 1501 GLSPWLTCLBEDGLMSLPEYCYKLECDAPRILIANALLPHCLQDNHDVGTICKECKPGY 1560  
QY 1561 YVASABGVKRNKLITQCLBGGIWEQSGCIPVCEPPEVPEGMETCTNGSFLSDQCVL 1620  
DB 1561 YVASABGVKRNKLITQCLBGGIWEQSGCIPVCEPPEVPEGMETCTNGSFLSDQCVL 1620  
QY 1621 NCNQEREXPLICTKEGLWTOEFKLCENIQEGECPPESELSYVCEQOYIGAVCSPL 1680  
DB 1621 NCNQEREXPLICTKEGLWTOEFKLCENIQEGECPPESELSYVCEQOYIGAVCSPL 1680  
QY 1681 CVTPSDPYMLPENITADTLEHMMEPVKQSIYCTGRQMHDPVLVHCIOGCE 1734  
DB 1681 CVTPSDPYMLPENITADTLEHMMEPVKQSIYCTGRQMHDPVLVHCIOGCE 1734  
  
RESULT 3  
US-09-827-998-16  
; Sequence 16, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu. Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMOF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecmca Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 16  
; LENGTH: 1385  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-827-998-16  
  
Query Match 74.7%; Score 7363; DB 2; Length 1385;  
Best Local Similarity 77.0%; Pred. No. 0;  
Matches 1379; Conservative 0; Mismatches 6; Indels 406; Gaps 1;  
  
QY 1 MNCIKTIRISLAIIGMALCSANSELGWRKXSLVERELINQVLLGECRCWLGAKYRRR 60  
DB 1 MNCIKTIRISLAIIGMALCSANSELGWRKXSLVERELINQVLLGECRCWLGAKYRRR 60  
QY 61 AASPQHLFGVYSRAGNYLRPVVGEQIHTHGRSKPDREGNAVSLVPPDLTENPAGLNG 120  
DB 61 AASPQHLFGVYSRAGNYLRPVVGEQIHTHGRSKPDREGNAVSLVPPDLTENPAGLNG 120  
QY 121 AVEBPAAVNGSPIGQSELDGDDAYLGNQSKESLBSAGIIOKGSAMATTTTALFTTL 180  
DB 121 AVEBPAAVNGSPIGQSELDGDDAYLGNQSKESLBSAGIIOKGSAMATTTTALFTTL 180  
QY 181 NEPKETQGRGAKSKQORQVWKRAEDQSGSSSHQPPPKSLKRVKSSPPEEN 240  
DB 181 NEPKETQGRGAKSKQORQVWKRAEDQSGSSSHQPPPKSLKRVKSSPPEEN 240  
QY 241 QNGGEGSYAEAFETNSQVGLPILYFSGRERLLRPVLAELPREAFTEAMVWPBGQGN 300  
DB 241 QNGGEGSYAEAFETNSQVGLPILYFSGRERLLRPVLAELPREAFTEAMVWPBGQGN 300

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QY 301 NPAAIAGVFNDCSHITVSDKGMALGIRSGDKGRDARFPFSLCTDEKATILISHSRQY 360
| | | | |
Db 301 NPAAI----- 306
QY 361 PGTWTHVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFMACRSLLLGSDSEDHYPR 420
| | | | |
Db 307 ----- 306
QY 421 GHILGLVFWSTALPQSHFQHSQHSGBEATDVLVLASPEVNTWVPRDEKPYRLEY 480
| | | | |
Db 307 ----- 306
QY 481 LQGFEBEPELISPLQEPPLCGQIVCDNVELISQYNGVPLRGEKVIRYQVNNICDEGLNP 540
| | | | |
Db 307 ----- 306
QY 541 IYSEBQIRLQHEALNEAFSRKYNISKULSVHQVHNSTLRHVRVLNCEPSKIGNDHCDPEC 600
| | | | |
Db 307 ----- 306
QY 601 EHPRLTGYDGDGRLQGRCYSMNRDGLCHVECNMMLNDPDDGCCDPQVADVAKTGFDDP 660
| | | | |
Db 307 ----- 306
QY 661 SPKRAYMSYKELKEALQLNSTHFLNTYFASVREDLAGATWPMKDQAVTHLGGIYLSPA 720
| | | | |
Db 307 ----- 306
QY 721 YYGMPCHTDTMHEVGHVGLYHVFYGVSERESNDPCKETVPDMETGDIADTAPTPKXS 780
| | | | |
Db 315 YYGMPCHTDTMHEVGHVGLYHVFYGVSERESNDPCKETVPDMETGDIADTAPTPKXS 780
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QY 781 ELCREBEPTSDTCGFTPRPGAPRTNMSYTDNCTNFTPNQVARKHCYLDLYVQOWTSS 840
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Db 375 ELCREBEPTSDTCGFTPRPGAPRTNMSYTDNCTNFTPNQVARKHCYLDLYVQOWTSS 840
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QY 841 RKPTPIPIPMVIGQTNKSLITIMLPISGVVVDRAASGLCGACTDGTFRQVYHTASSR 900
| | | | |
Db 435 RKPTPIPIPMVIGQTNKSLITIMLPISGVVVDRAASGLCGACTDGTFRQVYHTASSR 900
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QY 901 RVCDSGGVTPPEBAVPRPDVQPCPSLSQAMSPBVHLVHNMVTPCPTGEGSLLELLFQHP 960
| | | | |
Db 495 RVCDSGGVTPPEBAVPRPDVQPCPSLSQAMSPBVHLVHNMVTPCPTGEGSLLELLFQHP 960
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QY 961 VQADTLTWTSPFMSSQVLPETTELLENKESVHLGRLDTPEDILTLKLHNDGVASQV 1020
| | | | |
Db 555 VQADTLTWTSPFMSSQVLPETTELLENKESVHLGRLDTPEDILTLKLHNDGVASQV 1020
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QY 1021 KYTFDERLEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVYTHSHRKFTDVE 1080
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Db 615 KYTFDERLEIDALLTSQPHSPICSGCRPVRYQVLRDPPFASGLPVVYTHSHRKFTDVE 1080
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QY 1081 VTPGQMYQVQLAAGBELGEASPLNHIHGAHYCGDGKVSERLGECDGDLVSGDGCS 1140
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Db 675 VTPGQMYQVQLAAGBELGEASPLNHIHGAHYCGDGKVSERLGECDGDLVSGDGCS 1140
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QY 1141 KYCELEEGNVCVEBPLCYMVEBDGICEPERKTSIVDGIYTPKGYLQMAARAASHE 1200
| | | | |
Db 735 KYCELEEGNVCVEBPLCYMVEBDGICEPERKTSIVDGIYTPKGYLQMAARAASHE 1200
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QY 1201 DKKCCVSLVYTGEPHSLICTSYHPLDPNHRPLTGMFPCVASENETODDRSEQEGSLKKE 1260
| | | | |
Db 795 DKKCCVSLVYTGEPHSLICTSYHPLDPNHRPLTGMFPCVASENETODDRSEQEGSLKKE 1260
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QY 1261 DEVMVLKVCENRPGBARAIFILFTTDLVPEHQOPTVTLVLTIVRGSNHSIGTYGLSCQH 1320
| | | | |
Db 855 DEVMVLKVCENRPGBARAIFILFTTDLVPEHQOPTVTLVLTIVRGSNHSIGTYGLSCQH 1320
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QY 1321 NPLIIVNTHQONVLFHHTTSVLLNFSSPRVIGISAVALRTSSRIGLSAPNSCISEDGQNH 1380
| | | | |
Db 915 NPLIIVNTHQONVLFHHTTSVLLNFSSPRVIGISAVALRTSSRIGLSAPNSCISEDGQNH 1380
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QY 1381 QGQSCIHRCGKQDSCPSILLDHDVNVNCTSIGPGIMKCAITCQGRFALQASSEQYIRRM 1440
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Db 975 QGQSCIHRCGKQDSCPSILLDHDVNVNCTSIGPGIMKCAITCQGRFALQASSEQYIRRM 1034
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QY 1441 QKEIILLTCSSGMDQNVSLCPVDCGVPPDSLVNANFSCSBCTKFLKRSICVPAKQ 1500
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Db 1035 QKEIILLTCSSGMDQNVSLCPVDCGVPPDSLVNANFSCSBCTKFLKRSICVPAKQ 1500
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QY 1501 GLSPMLTCLBEGJLMSLPEVYCKLECDAPPIIANANLLPHCLQDNHDVGTICKYCKECPGY 1560
| | | | |
Db 1095 GLSPMLTCLBEGJLMSLPEVYCKLECDAPPIIANANLLPHCLQDNHDVGTICKYCKECPGY 1560
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QY 1561 YVAESAAGKVRNKLKIQCLEGGIWEQSGCIPVCEPPPVVEGMYECTNGFSLDSQCVL 1620
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Db 1155 YVAESAAGKVRNKLKIQCLEGGIWEQSGCIPVCEPPPVVEGMYECTNGFSLDSQCVL 1620
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QY 1621 NQNOERBKPIICTKRGMTQFRLCENIQSGCPPPSLSLNVYKCEGQYIGAVCSPL 1680
| | | | |
Db 1215 NQNOERBKPIICTKRGMTQFRLCENIQSGCPPPSLSLNVYKCEGQYIGAVCSPL 1680
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QY 1681 CVIPPSDPVMLPENTTADTLHEHMEPVKQSVICTGRBQMHDPVLVHCIOCEPFOADG 1740
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Db 1275 CVIPPSDPVMLPENTTADTLHEHMEPVKQSVICTGRBQMHDPVLVHCIOCEPFOADG 1740
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QY 1741 WCDTINNRAVCHYDGDCCSSTLSKRVIPFAADCDLDECTCRDPAEENQ 1791
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Db 1335 WCDTINNRAVCHYDGDCCSSTLSKRVIPFAADCDLDECTCRDPAEENQ 1791
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RESULT 4
US-09-949-016-9436
; Sequence 9436, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMERPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9436
; LENGTH: 717
; TYPE: PRF
; ORGANISM: Human
US-09-949-016-9436
Query Match 17.3%; Score 1709; DB 2; Length 717;
Best Local Similarity 43.0%; Pred. No. 5,5e-139;
Matches 310; Conservative 140; Mismatches 237; Indels 34; Gaps 14;
QY 1084 GOMYQVQLAAGBELGEASPLNHIHGAHYCGDGKVSERLGECDGDLVSGDGCSKYC 1143
| | | | |
Db 6 GSVYQVWVITIGTEBSSEPSPAVTYIHGSGYCGDGIQMDQEGQCDNMKINGDGSILPC 65
| | | | |
QY 1144 ELEBGNVCVEBPLCYMVEBDGICEPERKTSIVDGIYTPKGYLQMAARAASHEDEK 1203
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Db 66 ROEVSFNCIDEPSRCYFHNDGVCSEFEOKTSIKQCGVTTPOGFLDQMASNSVSHQD-Q 124
| | | | |
QY 1204 KCPVSLVTGEP-HSLICTSYHPLDPNHRPLTGMFPCVASENETODDRSEQEGSLKKEDE 1262
| | | | |
Db 125 QCRGWIILQPARASQVCRKTKVLDLSEGISQHAMVFCITISYPSQ-----LAQTT 173
| | | | |
QY 1263 VMLKVCENRPGBARAIFILFTTDLVPEHQOPTVTLVLTIVRGSNHSIGTYGLSCQNH 1322
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Db 174 FMLRAVFSQPMVAALVIVLVDGYGQDKQETISVQLDLYKQDSHDLGLHVLSCRNP 233
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QY 1323 LIIN7THQNVLFHH7TSV7LNFSSPRGISAVALRTSRIGLSAPNSNCISDBEQNHQ 1382
QY 234 LIIPVVHDI5QPPYHSQAVRVSFSSPLVAISGVALRSFDFNPVTLSSC-QRGETYSPEAE 292
QY 1383 QSCIRPCGKODSCPSLLDLBDHVVNCTSI-----GPGMLKCAITGORGALQDASSGQYIR 1438
Db 293 QSCVFAFCEKTD-CFELAVEA-YINCSSSDRYHG---AQCTVSCRTGIVLDIRRDELI 347
QY 1439 PMQ--KEILLTSSGHHMDQNVSCLPVCGVPDPDSLVTNYANFSCSEGTFLKRCISICVPR 1496
Db 348 KSQTPSVTVTCTBEGKMKKQVACEVYDCSIRPHQVYAAFSFCBEGTITFGSCSQCCHNR 407
QY 1497 AKLOGLSPMLTCLBEGMLSPBYVYCKLECDAPRIILANLILPHCLQNHDDVTI CKYEC 1556
Db 408 AOLKNNNSILITCMEDGLMSFPEALCELMCLAPPVPVNDLQYARCREMKHKVGSFCYKC 467
QY 1557 KPGYVVA5ABEKVANKLIKTOCLEGGIWEQSCICPVCEPPRPVPEGMTECTNGFSLDS 1614
Db 468 KPGYVVPSSR-KSKRAFAFKTQCTDDG5QOEACVAVTCDPPRFHGIYQCTNGFCFQNS 526
QY 1617 OCVLNLC-----NOERBKJPILTCKEGLTQWBEKLCENIOGCEPRRPSLNS--VEYKCSQG 1670
Db 527 ECRICEDSDMSQIGASNVITHCRKQKGTWNGSFHVQEQHQOC-SYPNENLSNKLQCDPQG 585
QY 1671 YGIGAVCSPLCVIPSPSDPMLPENITADTLEHMEPEPVYQOSIVCYGRHMDPVPYLVCII 1730
Db 586 YAI5GECATSCLDHNSSESIILPMNTYVDIPIHMLNPTVERVYVCTAGLKMVTHPHALYICV 645
QY 1731 QSCBEPQADGWCDTINNRAAYCHYDGGDCSSSTLSKAVIIPFAADCDLD-ECTCRDPKAE 1789
Db 646 KGCBEPMGDNYCDALINBRAFCNVDGDCCTSTVTKTKVTLPPFMSCDLQGDACARDPQAOE 705
QY 1790 N 1790
Db 706 H 706

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Db 2443 SPTLI-LQADSTWSSPLPECVPECQPEILLNGILIHVOGLAVSTLTLYCKRPFELVG- 2500
Qy 1353 SAVAL--RTSSRG---LSAPNSCISEDQNFQ-----CQ----- 1383
Db 2501 NATYTCGNGQWVGKMKCPKECPPEKELLNGQFSSVSFOYQITTYFCDRGRFLRGK 2560
Qy 1384 --SCIRPCGKODSCSLLDHADVNCSTISGP---GLMKCA-----ITCQGRFAL 1429
Db 2561 SUTGLE--TGDMMDP-----PSCDAHCSDPPQPIENGFBGADYRGAMITYSCFFGQY 2614
Qy 1430 QASSGQYIRPMCKEILLTSSSGHW--DQNVSLPVDGVPD----- 1468
Db 2615 LGHAMQ-----TCESQMSSSSPFCVPIDCGLPRIHIDFGDCTKVRDQGHFQD 2663
Qy 1469 -----PSLVNYANFSCSEBTKL--KRCISCVPRAKLOGLSPMLT 1507
Db 2664 DDMMEVRYLAHPQHLBATAKALENTKESPAASHSHFLYGTWVSYSCEPGEYELGI-FVAL 2722
Qy 1508 CLBDGLMSLPEVYC-KLECDAPIILNANLLPHCQDNHDVGTICKYECCKPGYVAESA 1566
Db 2723 CQBDGTWNGTAPBCISIECDLPAAPENGFL--HFTQTT--MGSAAQYCKPCHILLEGSH 2777
Qy 1567 EGRVNRKLKIQCLEGAIWEQGS--CIPVCEBPPEVEG-----MYECTN 1610
Db 2778 -----LRL-CLQNKQW--SGTVPRCEAISCGRPLMNGSIKGDYSYLAGLYEEDS 2827
Qy 1611 GRSLSQCVLNCQNEBKPILCTKRGLTWQEFKLENOGECPPRPSLEIN----- 1661
Db 2828 GYLINSSKRTQCEHND-----WDGHEPMC--IPVDCGSPFPVTNGRKGEEYT 2874
Qy 1662 ---SVEKCEQGY-----GIGAVCSPL-CVIPPEDPVMLPENITADTL 1700
Db 2875 FQKEITYSCREGIILGASRILCTLWMSGATPSCMPRCRAPQVP-----NGVADGL 2929
Qy 1701 E-----HMNEPVKQGS--IVCTGRQWHPDVLVHCIOSCP 1735
Db 2930 DVGFKKFAVHCLGEGYVLOGAPRLTCQSNGTWDAB-----VPVCKP 2970

RESULT 6
US-09-911-842A-2
; Sequence 2, Application US/09911842A
; Patent No. 6656707
; GENERAL INFORMATION:
; APPLICANT: Amgen Inc.
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37592
; CURRENT APPLICATION NUMBER: US/09/911,842A
; CURRENT FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: US 60/222,438
; PRIOR FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 3571
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-911-842A-2

Query Match 3.4%; Score 330.5; DB 2; Length 3571;
Best Local Similarity 19.9%; Pred. No. 4.8e-18;
Matches 353; Conservative 207; Mismatches 612; Indels 603; Gaps 106;

Qy 286 AFTVEAVKREGGQNNPAITAGVFDNCSTH--VSD-KGMALGIRGKDKGKRDARFFS 341
Db 1450 ALTCTFMKSSDDMNNGTPISYAVDNGSDNTLLLTDTYNGWLVYV-NGREK----- 1498
Qy 342 LCTDRVKKATILISHRYQPGCTWTHAATYDGRH--MALVVDGTQVASSLDQSGPLNSP 399
Db 1499 -----ITNCSVNDGRWHILATWTSANGKVIIDKLSDDGAGLSVGLPIP- 1546
Qy 400 MASCRSLILGDSSESDGHYR-----GHILGTLVFWSTAL-PSHFQHSQSHSSGEEBAT 452
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Db 1547 --GGGALVVGQODKKGEQSPAESFVGSISQNLMDVYLSFQ---QVKSIAATSCPEEIS 1601
Qy 453 DLVLTAFFPVNTWVPR-----DEK-----YRL-----EVLQ----- 482
Db 1602 KKNVLA-----WDFLSIGVKVKIDSKISPCSDCRLLGQSVPHLTATSBDLPEGSK 1653
Qy 483 -----GF-----EPEP--EILSPLOPL-----CGQTV- 503
Db 1654 VMLFCDPFGQVLGNPQVQCLNGQWMTQPLRPHCBERSICVPRPLENGFHSADPFYAGSYT 1713
Qy 504 --CDNVELISQYNGTWPLRGEKVIYRQVNVICDDEGLNPIVSEBQIRLOHEALNEAFSY 561
Db 1714 YQCN-----NGYLLDSDSM-----FCTDNGSMNGVSPSCIDVDECAVGSDCSEH 1758
Qy 562 NISWQLSYHQVNSTLRHNVLVNCEPSKIGN-DHC-DP-EDE--HPLTGDDGDCRQ 615
Db 1759 -----ASCINLVGS-----YICSCVPPTYGDKKCAEPIKCKAPGNPENGSSGELYTV 1807
Qy 616 G-----RCYSNMRBDGLCHVEC-----NNMLNDFDDGCCDPQVADVAKTCFDPSPR 664
Db 1808 GAEVTFSCQEGYQLMGVTTKITCLESEGMNHL-----PYCKAV--SCGKAPAPEN 1855
Qy 665 AVMYVELKEALQLNSTHELNITYPASSVREDIAGAATWMDXDAVTHLGILSPAYYGM 724
Db 1856 G--CIEELAFTEGSKVYTRCNKGYTLADGKESSCLANSSWSSHP-----VCEPVKCS 1907
Qy 725 PGHTDTMHVGVHVLGLHVFQVSEBSCNCPCKETVPSMTGDLCADTA-----P 776
Db 1908 PENINN-----GKY-ILSGLYLSTASYSC-DTGSYLSQSPSIECTAGGIMDRAP 1956
Qy 777 TPKESELCREPEPTSDTC--GFTRPAPAFNNVMSYTDNCTDNFTNPQVARMHCYLDL 832
Db 1957 ACHLVPCGSPRAIKXAVITGNFT-----FNTVITYT--CKEGYTLGLDTIECLAD- 2006
Qy 833 YVQWTESRK--PPIPIPMVIGQTNKSLTIHMLPRISGVVYDRASSLCACTEDGT 889
Db 2007 --GKMSRSPDQCLAVSCDEPRIVDNASPE--TAH-----RLFEDIIFYYCSDE- 2050
Qy 890 FQGYVHTASSRVCSSGYTWPEBAVGRPD-VDOQCE--PSIQAMSPEHLHMNTVPC 946
Db 2051 ---YSLADNSQLLCNAQGWVPEEQDMRCIAHCEKPSVS-----YSI----- 2093
Qy 947 PTEGSLLELTFQHPVQADTLTLMVTSFPMESSQVLFDEIILE-----NKESVHLGCL 999
Db 2094 -----LESVSKAKPAAGS-----VVSFKMBGFVL-NISAKIECRGQGNPSMISQCI 2142
Qy 1000 DTFCDIPLTIKLHVDGKVSQVRYTFDERI-----EIDALLTSQPHSPICS 1046
Db 2143 PVRGEPSPSI--MNGYASGSN-YSGAMVAVASCNKFYIKGEKSKTCEATGQMSBPIT 2198
Qy 1047 GGRPRYQVLRDPPRPAASGLPVVVTIHSKFTVDEVYTPQGMQYQVLAEGSELGEASPL 1106
Db 2199 -CHPV-----SCGEPPEVNGF--LEHTTGIIFSEVARYQCNPGKYSVSPV 2242
Qy 1107 -----NHILG-APY-----CG-----DGKYSRLGEBDCDGLVSDGCS 1140
Db 2243 FVQCANRHHNSPRLMCVPLDGCGRPPRIQNGFMKGNFVSGKVGFCFNGEYELVDS-S 2301
Qy 1141 KVCELEBGNVCVGBPSLCYMBGDGICEPFE-----RKTSYVDCGIYT--BK 1185
Db 2302 WTCQSKGKNKKNPK-----CMPAKCPREPLENOLVLELTTEVAVTFSSCKE 2351
Qy 1186 GYL-----DQATRAYSHEDKKKCPVSLVGEPSILCTSHNPLDN--HR 1230
Db 2352 GHVLOGPSVLKCLPSQW-----NDSPVCKIYLCITPP--LISGVPISSALHF 2400
Qy 1231 PLTGMFPCVAS-----ENETQDDRSQPEBSLKEBQVW--LKVCFNRRGEARAIPIFLT 1283
Db 2401 GSTVTKSCVGGFFLKGNST-----TLQPRGTWSSPLPBC----- 2435
Qy 1284 TDGLVGEHQDP-TVTLVYLVTVRGSNHSIGTYGLSCQHN-PLIINVT--HHQNVLFPH 1337
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Db 2436 ----VPEVCEPBEIPNGIIDVOGLAY-LSTALYTCRPFELVGNITTLGNGHMLGK 2490  
Qy 1338 TSVLNFSSPRVIGISAVALTSSRIGLSAPNSCISDEGONHOGS---CHIRPOCKOD 1394  
Db 2491 PTKAIECLKPKELINKESFYTLHYQVITYSC--NRGPRLEGPALTCLE--TGDWD 2545  
Qy 1395 -SCPSLLDHDADVNCSTISGR--GLMKCA-----ITCORGFALQASGQYIRPMQ 1441  
Db 2546 VDAPS-----CNAIHOSPOPIENGFBGADYSAGAIITISCFPGFQVAGHANQ----- 2594  
Qy 1442 KEILLTCSGHWQONT-SCLPVDGVP-----DPSLVNY----- 1474  
Db 2595 ----TCEBSGWSSSIPTCMPIDCGLPRIHIDFGDCTKLKDCGYFEQEDDMMEVRYVTPH 2649  
Qy 1475 ----ANFSCBSGK-----FL--KRCGISCVPAKLOGLSFWLTCLEGLMSLP 1517  
Db 2650 PPHGLGVAKTWNTKTESPATHSNFIYGTWVSTCPGVELLG-NVALLCOEDGTWNGS 2708  
Qy 1518 EYVC-KLECDAPRIILNANILLPHCLQDNHDVGTICKECKPGYVVASAGKVRNKLK 1576  
Db 2709 APFCISIECDLPAPENGFARFRET-----SMGSAVOYSCRPHILVGSQ-----LR 2755  
Qy 1577 IQLEGGIWEQGS--CIPVVCSEPPVVEG-----MYECTNGFSLDSQCVLN 1621  
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Qy 1622 CNGERKRLPILCTKEGLMTOEFKLCENTLOECRPPPEBLN-----SVEYKCEQ 1669  
Db 2809 GTERR-----TCDDKNWDEDEPIC--IPVDCSSPVSAGOVAGDEYTFQKEIEYTCNE 2861  
Qy 1670 GY-----GIGAVCSPL-CVIPPSPDVMLENITADTLEHMMEPVK--- 1708  
Db 2862 GFLLBGRASVCLANGSMGATPDCCVPRCATPP---QLANGVTBGLDYGFMEYTFHC 2917  
Qy 1709 -----VQSVTCGRGROWHPDVLVHCIOSCP 1735  
Db 2918 HEGYILHGAAPKLTCQSDGNWDAE-----IPLCKP 2946

RESULT 7  
US-09-911-842A-5  
; Sequence 5, Application US/09911842A  
; Patent No. 6656707  
; GENERAL INFORMATION:  
; APPLICANT: Amgen Inc.  
; TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF  
; FILE REFERENCE: 01017/37592  
; CURRENT APPLICATION NUMBER: US/09/911,842A  
; CURRENT FILING DATE: 2001-07-24  
; PRIOR APPLICATION NUMBER: US 60/222,438  
; PRIOR FILING DATE: 2000-08-01  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 2489  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-911-842A-5

Query Match 3.0%; Score 292.5; DB 2; Length 2489;  
Best Local Similarity 19.1%; Pred. No 5,2e-15;  
Matches 390; Conservative 211; Mismatches 691; Indels 745; Gaps 109;

Qy 76 GNYLRVYVEGSEIHNHTGSRKPDTEGNAVSLVPRDLTENPAGLRGAVEBPAPVGDSP 135  
Db 434 GKLEVFEPFG-KAVNYTCDHPD-RGTSFDLI-----GESTIR-CTSDPDGQGVWSSPA 484  
Qy 136 GQSELLGD--DVAIYGNORSKESLEBAGIQKSSAAATTTA---IFTTLN-EKPEPT 187  
Db 485 PRGGLIGHCOAPHFL-----FAKLKTQTNASDPPIGSLKYECRPREY 527  
Qy 188 QRGMAKSRQOROVWKRABDGGDGSISHPQWPFKHSLSKRVKSPRESN----- 240

Db 528 YGRPFSITCLDNLWSS-----PKDVCKRCKSKTPPDVNGMNVHIT 569  
Qy 241 --ONGEGSREARETNSOVG--LPLIYSGRREBLRPREVALEIPREAFTEAWKPE 296  
Db 570 DIQVGRINV-SCCTGHRILIGHSSACILISGNAHMYSTKPIQRIPLCGI----- 618  
Qy 297 GQONNPAIIAGVFNDCSHVTSDKGMALGIRSGDKKRDARFPFSSCTDRVKKATILISH 356  
Db 619 ----PPTIANGDITSNRENFHGVYTTTCNNGSGGRK--FEL-----VGPSTICTS 667  
Qy 357 SRYPQPTWTHVA-----ATYDGRMALYYDGTQVASSLDQ-----SGP-- 394  
Db 668 NDDQVGIWSGPAPQCIIPNKCTPRTVENGILVADNLSLSFLINEVBFRCQPGVMKGRPR 727  
Qy 395 ----LN--SPFASGRSL-----LLGGD-----SSDGHYFPGHLG 424  
Db 728 VKCOALNKKEPFLPSCSRVQPPDVLHRTQDXDNFSPPGEVEYSCBPGDLNGAAS 787  
Qy 425 TLVF-----WSTALPQHFGHSSQHSSEBEATDVLTAPEPVNTEM---VPRDEKXPR 477  
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Qy 478 LE-----VLOGFE-----PEBEIL-----SPLOPLCGQTV--CD 505  
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Qy 506 -----NVELIS-----QYNGWPLRGEKIRIQVYNICD--DEGLNPIYSEQ 546  
Db 902 PHEDRGTSFDLIGESTIRCTSPQNGVW---SSPAPRGILGHCOAPHFLAKLKTQRT 958  
Qy 547 -----IRLOHEALNEAFSR-----YNISMLQ-----SVHGV 572  
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Qy 692 VREDLAGAATWPMWDXAVTHLGGIYLSPAYYGMPGHTDMIHVGHVGLY-----H 743  
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Qy 744 VFKGVSEKSCNDPCKETVPSMETGDLCADTAPT-----PKSELCK 784  
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Qy 785 ---BPEPSTDCGFTFRPGAPFTNTYSTDNCTDNFTFNQVARMHCYLDLYVQWMTESR 841  
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Qy 842 KPTPIPIPMVIGQTNKSLTHMLPPIISGVYD-RASGSLCAGCTDGTFRQVYHTASSR 900  
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Qy 901 RVDCSSGYWTPREAVGPPD-----VDQPCPSLQASBEVHLYHNMNTVPCPTGCSYLE 954  
Db 1257 SCDDPFGQLNGRVLFPVNLQAGKVDVFCDBGFO-----LKSSA-- 1297  
Qy 955 LTFQHEVQADTLTWTSFPMSSQVLFTEILLENKESVHLG-PLDTF-----CD 1004  
Db 1298 ---SYCVLAGMESLWMSVYV-CEQIFCPSRPVPIPNGR--HTGKPLEVFPFGKAVVYTC 1351  
Qy 1005 IPELTILHVDGKSVGKVTTPDERIEIDALLTSQPH-----SPL-----CSGCRP 1050  
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Qy 1051 VRYOVLADPPFASGLPVVVVTHSHRKFTDVEVTPGQVYOVQVLAEGAG-----ELGE 1101  
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QY 1102 ASP-----PLNHIHGAAY-CGDGKVSERLGECDGDLVSGDGSKVCELEEGF 1149  
1443 SSPKDVCKRKSCTPPDPVNGMVHITDQVGSRIYVSCITGRLIGHSSAE----- 1494  
QY 1150 NCVGEPSLCYMGEGDICEPFEKRTSIYDGC-----ITYPGYLDQMATRAYSSH 1199  
1495 -CILSGNTAWMSTKPRICOR-----IPCGLPRTIANDGFISTNENFHYGSVVTRYCN 1546  
QY 1200 EDKCKCPVSLYMGEPHSLICTSYHPD-----LPHN-RPLTGMPCVASENETQ 1246  
1547 LSRGKRVELVGEPR-SITYCTSDNDQVIGWSGAPCCIIIPNKTCTP-----PVENGIILVS 1600  
QY 1247 DDRSEPEGSLLKKEDEWMLKVCENRPEBARAIFPLTTDGLVGEHQOPTVLYLTLDVAG 1306  
1601 DMRSS--LFLSLNEVVEFRQPGFVMKGPRR-----VKQALNKEWELBLSGCSNV----- 1646  
QY 1307 SNHSLCTYGLSCQHPNLIINVTN--HONVLFPHHTTSVLNFPSPRVGISAVALRTSSRI 1363  
1647 -----CQPPPEILHGEHTPSHOD-----NFSR----- 1668  
QY 1364 GLSAPNSCISBDEGONHOGOSCIHRPCGQ-----DSCPSLL--LDHADVYNC 1409  
1669 GGEVFTYC--EFGYDLRGASLIH--CTPGDMSPPAPRCAYKSCDFFGLPHERVLRP 1723  
QY 1410 TSIQGLMKCAITTCGRFALQASSGOYIRPMCKEILITCSSGHMDQNS-CLPVDGVPD 1468  
1724 LNLQIG-AKVSFVCDGFRLLKSSVSH-----CLVGMBSLIMNNSVVCHEIIPCPNP- 1774  
QY 1469 PSUVYANFSCSEG-TKFLKRGCSICVP-----PAKLGSLPWLITLED---GLMSLP 1517  
1775 PALNHRHTGTBSGDIPYGEKISYTCDPHPDRGMTNLLIGEST-IRCTSDPHNGVWSSP 1833  
QY 1518 EYVYCKL-----ECDAPIILNANLLPHCLD--NHDVGTICKECKRGVYVAESAAGKR 1571  
1834 APRCELSVAGHCKTEQPPFASPTTP--INDEFPVGTSLNTECKRGYF----- 1881  
QY 1572 NKLLKIQCLEGGIWE--QGSCTIPVCEPPPVPEGM-----YECTNGFSY- 1614  
1882 GGMFSTISCIENLVMSVEDNCRKSCGPPPEPFGNGVHINTDQFSGTYNYSNNEFRLL 1941  
QY 1615 ---DSQVLNCGNEREKLPICTKEGLWTOEFLCENLOGECPPESEINS----- 1662  
1942 GSPSTCLVSGNNV-----TWPKAPICEII--SCBPPPTISNGDFYSNNRTS 1987  
QY 1663 -----VEKCEGCGYV-----IGAVCSP-----LCVLP-P-S 1686  
1988 FHNGVVTYQCHTGPDEQLFELVGERSIYCTSKDDQVGWSSPPRCISTNKTAPAYE 2047  
QY 1687 DPMLEPENTIT---ADTLEHMMEP---VKVGSIVCTGRQHPDVLVHICQSCBP 1735  
2048 NAIKRVGNSFSLTIVAFRCQPGFVMGSHTVQCTNGRW--GKXLRHCSKRVCP 2102  
Db  
RESULT 8  
5256642-10  
; Patent No. 5256642  
; APPLICANT: PEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
; WUNNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; IP, STEPHEN  
; H.; MAKRIDES, SAVVAS; MARSH, HENRY C. JR.  
; TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT  
; RECEPTOR 1 (CRI) AND A THROMBOLYTIC AGENT, AND THE METHODS OF  
; USE THEREOF  
; NUMBER OF SEQUENCES: 30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/588,128  
; FILING DATE: 24-SEP-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 412,745  
; FILING DATE: 26-SEP-1989  
; APPLICATION NUMBER: 332,865  
; FILING DATE: 03-APR-1989  
; APPLICATION NUMBER: 176,532

; FILING DATE: 01-APR-1988  
; SEQ ID NO:10  
; LENGTH: 1847  
5256642-10  
Query Match 2.9%; Score 287.5; DB 6; Length 1847;  
Best Local Similarity 19.1%; Pred. No. 8.5e-15;  
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;  
QY 454 LVLTSFPEPVT-EMVFP-----RDE-----KYPRLEVLQGFEPPEILSPLQPL-- 498  
39 LPLVAMGQCAPEWLPFARPTNLDEFEFPITGLNTECRGYSGRPSIILCKKSVMT 98  
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QY 526 RYQVNNICD--DEGLNPVSEQIRLQHEALNEAR--SRVYSIQLSVHQNSTLRR 580  
159 WNETPPICDRIPCGLPPTIT-----NGDEISTIRENPHY-----GS 194  
QY 581 VLVNCEPSKIGND-----HODECEHPLGYDGG--DCRLQRCYSWMNRDGL 627  
195 VVTRYCNPSGGRKVFELVGEPSITYCTSDNDQ--VGMSGAPQCIIPKCTPPVENEKI 252  
QY 628 CHVEGNNM--LNDPDDGC-----C-----DPQVADVKTCPDPSPKRAY 666  
253 LVSDRSLPSLNBVVEFRQPVFVMKGPFRVCGQALNKEPELPSGSRVCGPPDVLHA- 311  
QY 667 MSVKELKEALQUNSTHF--LNTYFASVREDLAGAATM-----PMKDAVT----- 710  
312 -----ERTQDKDNFSPGQEVFYSCEPGYDLRGAASRRCCTPGDMSPAATCEYKSCD 364  
QY 711 -----HLGGIVSPAYVGMPTDIMEHGVHLG--LYHVEFG-----VSEBE 752  
365 DMGOLLNRRVLPVNLQIGAKVYCDGEGOLKSSASVYCLAGMESLIMNSVVCBOI 424  
QY 753 SCNDCKETVPS-METG-----DLCAD----- 773  
425 FC--FSPPIVPIRGHTGKLELVFPFGKAVNTCDHPDRGTSFDLIGESTICTSDPQGN 482  
QY 774 ---TAPTKSEL--CREPE-----PISDTGCGTFRFP--GAPFTNYS 808  
483 GVMSSPAPCGILGCOAPDHFLLFAKLTQTNASDFICTSLKYECREPEYGRPPS--- 538  
809 YTDNCTQNF--TNOVABRMHCYLDVYQCTESRKPPIPIPMV----- 852  
539 ---ITCLDNLVWSSPDVCK-----RKSCKTPEPDVNGVHVTIDIQGSRIN 583  
QY 853 -----IGQTNKSLTI--HW--LPI-----SGVVYDRAAGSLGACTEDGTER 891  
584 YSCITGHLRIHSSABCLISGNAAMWSTKPRICQRIPOGLPRTIANGDI-----STNR 637  
QY 892 QYVHTAS--SRVYCSGVTPEBAVGPDPV-----DQPCPSIQAMS--PEVHLVHNM 942  
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QY 943 TYPCPTGEGSLELLQHPVQADTLTLVWTSFFMESSQVLFDEILILE--NSESYHLGEL 999  
693 CTTPNVE-----NGILVSNRSLPSLNEVVEFRQPGFVMKGR 731  
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732 RYKCO-----ALNKEPELPSGSRVCO----- 754  
QY 1059 PPFASGLPVVYTHSHRKFTDVE--VTPQMYQYQVLAAGGEL--GEAS--PPLNHIHGA 1112  
755 -----PDDVLAARTQDKDNFSPGQEVFYS--CEPGYDLRGAASMKCTPGDMSPPAA 805  
QY 1113 PYCG-----DGK-----VSERLGE--CDDGDLVSGDGS----- 1140  
806 PTCYKSCDDEFGOLLNGVLRPVNLQIGAKVYCDGEGFOLKSSASVYCLAGMESLWN 865

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QY 1441 QKEILLTSSGHWQDVNS-CLPVDGVPDPSLVNANFSCSBS-TKFLKRCISICVP--- 1495
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Db 1361 RGMTPULIEST-IRCTSPHNGVWSSPAPRCLESLVRAGHCKTBPQFPASFTT--IN 1417
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 588, 128
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 412, 745
; FILING DATE: 26-SEP-1989
; APPLICATION NUMBER: 332, 865
; FILING DATE: 03-APR-1989
; APPLICATION NUMBER: 176, 532
; SEQ ID NO:10
; FILING DATE: 01-APR-1988
; LENGTH: 2006
5472939-10

Query Match      2.9%; Score 287.5; DB 6; Length 1847;
Best Local Similarity 19.1%; Pred. No. 8.5e-15;
Matches 349; Conservative 178; Mismatches 548; Indels 751; Gaps 105;

QY 454 LVLTASFEEVNT-EMWPF-----RDE-----KYRLEVLQGFEBEPLSLQPL-- 498
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QY 628 CHVECNMM--LNDPDDGC-----C-----DPQVADVRKTCFDPDSKRAY 666
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Db 425 FC--PSPVPIPNGRHTGKRLVFPFGKAVNYTCDHPDRGTSFDLIGESTIRCTSDPQGN 482
      |||
      |||
      |||
QY 774 ---TAPTKSEL--CREBE-----PSTDTGCFTRPP--GAPFTNYS 808
      |||
      |||
      |||
Db 483 GWSPPAPRCGILGHQOARDHFLFAKLTQTMASDPIGTSLKYECPREYUGRPS- 538
      |||
      |||
      |||
QY 809 YTDNCTNF--TNOVABRMHCYLDIVYQWTEBSRKPTPIIPMV----- 852
      |||
      |||
      |||
Db 539 ---ITCLNLVWSSPKDVCK-----RKSCKTPDPVNGVHVTIDIOGSRIN 583
      |||
      |||
      |||
QY 853 ---IGQTKSLITI-----HM--LPI-----SGVVYDRAASGLGACTEDGTR 891
      |||
      |||
      |||
Db 584 YSCTTGHLIGHSSABECLISGNAHMSWKPRICQIRPGLEPTIANGDFI-----STNR 637
      |||
      |||
      |||
QY 943 TVPCTEGSLLELQHHVQADTLTLWTSFPMESQVLPDEILLE--NSESYHLGEL 999
      |||
      |||
      |||
Db 693 CTPEVNE-----NGILVSNRSLFSLNEVEFRQCPGFVWKGP 731
      |||
      |||
      |||
QY 1000 DFCIDIPILIKLHVGVKSGVAVYTFDERIEIDALLTSOPHSPLCSG-CRPVRYQVLRD 1058
      |||
      |||
      |||
Db 732 RVKQ--ALNKMPELPSCSRVCCP----- 754
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      |||
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QY	1059	PPFASGLPVVYTHSHRKTVDY-VTPGOMTOYUOLAEKGGEL-GEAS----	PLNHNTHGA	1112
Db	755	-----PPDVLHAERTORDXDNPSPPGGEVFEYS--CEPGYDLRGAASRKTPOGDWSPAA		805
QY	1113	PYCG-----DGK-----VSEKGGEE--CDQGDVLVSGDGC-----		1140
Db	806	PTCEVKSDDPMGOLLNKRVLFPVNLQJGAKVDYCEBGFLKSSNASYCYLAEMESLIM		865
QY	1141	--KVCE-----LB-----EGFNCVGEPSI-C	1158	
Db	866	SSVPFCEGJFCGSPFVPIPNGRHTGKFLVFPFGKAVNYTCDBPHDRGTSFDLIGESTIRC	925	
QY	1159	YM-YEGDEI-----CE-----PPEKTSIYDCGIYT-----PKGY--	1187	
Db	926	TSDDPGNGWSSPAPRCGILGHCOQPDHFLPAKTKTQTNASDFIGTSLKYECRPEYYGR	985	
QY	1188	-----LQWMTAVASHEH--KKKC--PVSIVTGEPSLI-----CTSYHPD	1225	
Db	966	PFSTICLD--NLWSSPKDYCKRKSCKTPDPDPPNGMNVITTDIOVSRIMYSCTTGH-R	1041	
QY	1226	LPNHR-----PLTGWPPC-----VASENETODDRSEOPGSLKDEEV	1263	
Db	1042	LIGHSASACILSGNTAHMSTKPIQRI-PCGJLPRIANGDFISTNRKHFHGSV-----	1095	
QY	1264	WLKVCENRPFGEARAF-----IFLTIDG-----LVPGHQOPIYT--LYL	1301	
Db	1096	-VYRCNLGSRGRKVFELVGEPSIYCTSDNOVGWISGPABQCIIPNKCTPPEVNGILV	1154	
QY	1302	TDVGSNHSI-----GTYGLSGC-----HNPLIINTHHQNVLFH	1336	
Db	1155	SD---NRSLSLNEVDPFCOPGPGVMKGPFRVKKQALNKMBEPLPSCSRVCOQPEPTELH	1210	
QY	1337	--HTTSLVLNFSPPRVGISAVALRTSRIGLSAPENCSISEDONHOGOSCIHRPCGQ-	1353	
Db	1211	GEHTPESHQDNFSP-----GQEVFYSC--EPGYDLRGAASLH--CTPGQ	1249	
QY	1364	-----DSCPSLL--LDHADVYNCTSIGPMLCAITCQGRPLQMASSGOYIRPM	1440	
Db	1250	DWSPAPRCAYKSCDDFLGOLPHGRVLPPLNLQIG-AKVASFVCEBGFRLKSSVSH----	1304	
QY	1441	QKEILLTSSGHHMDONVS-CLPVDCGVDPDSLVMYANFSCSEG-TKFLKRSISCVP--	1495	
Db	1305	---CYLVGMRSLMNNSVCEHIFCPND-PAILNGRHTGTSPSGDIPLYKETSITCDPHPD	1360	
QY	1496	---PAKLOGLSPWLTCLD-----GLMSLPEVYCKL-----BCDAPRIILANLLPHCLO	1543	
Db	1361	RGMTFNLLGSGST-IRCTSDPHNGWSSPAPRCELSVNAHGCKTPEQPFASPIIP--IN	1417	
QY	1544	D-NHDVGTTCIKYECPGYTVABASBAGKVRNKLKLOCLEGGIWE--QSCCIFVCEPPPP	1600	
Db	1418	DPEFPVGTSLNVECRPGYF-----GKMFSISCIENLWMSVEBDCRKRKSCGPPPE	1467	
QY	1601	VPEEG-----YECTNGESL-----DQCVLNCNGERKPLILCTKSGLMWQE	1642	
Db	1468	PFNGVNHINTDQFGSTVNYVSCNBGFRLLIGSPSTICLVASGNV-----YMDKK	1515	
QY	1643	FKLCENLOGECPRPPELSLNS-----VEYKCEQGYG-----	1672	
Db	1516	APICEIIT--SCEPPTISNGDFYSNNKTSFHNNGIYVYTQCHTGPBGBOJFLVGBRSIYC	1573	
QY	1673	-----IAVQSP-----LCVPIPP--SDPYMLPEINIT--ADTLEHMEP-----	1709	
Db	1574	TSKDQVGVWSSPPRCISTJNKTAPAEVENAIRVGNRSFSLTEIIRFCRQPGFVWGS	1633	
QY	1710	OSIVTGRQWHPDVVHCTOSCEP	1735	
Db	1634	HTVQCOTNGRW--GPKLPHCSRVCP	1657	

```

MINNIE W.;CARSON, GERALD R.;CONCINO, MICHAEL F.;IP, STEPHEN
.H.;MAKRIDES, SAVVAS;MARSH, HENRY C. JR.
: TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT
: RECEPTOR 1 (CR1) AND A THROMBOCYTIC AGENT, AND THE METHODS OF
: USE THEREOF
: NUMBER OF SEQUENCES: 30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/588,128
: FILING DATE: 24-SEP-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 412,745
: FILING DATE: 26-SEP-1989
: APPLICATION NUMBER: 332,865
: FILING DATE: 03-APR-1989
: APPLICATION NUMBER: 176,532
: FILING DATE: 01-APR-1988
: SEQ ID NO.:2
: LENGTH: 2039
5256642-2

Query Match      2.9%; Score 287.5; DB 6; Length 2039;
Best Local Similarity 19.1%; Pred. No. 1e-14;
Matches 349; Conservative 178; Mismatches 540; Indels 751; Gaps 105

QY      454 LVLTASFEPPVNT-ENVFP-----RDE-----KYPRLIEVLQGFEPPEELISPLQPP-- 498
DB      34 LALPVAAMOQNAPEMLPPARPPTNLTDEFEPIGTLYLNEYCRPGVSGRFFSIICLNYSWT 93
QY      499 ---CGGTVCNDN-----VELISQNGVWPLRGEKYI 525
DB      94 GAKDRCRKSKGRNPDPVPMGNVHYKGIQFSGQIKYCTKGRILIGSSATCIISGDVIYI 153
QY      526 RYOVNNICD--DEGLNPVSEEQIRLOHEALNEAF--SRYNISWQISVHOVNSTLHR 580
DB      154 WDNETPICDRIPCGLPPTIT-----NGDPISTNRENFY-----GS 189
QY      561 VVLVNCESKSIKND-----HCDECEHPLTGYGCG--DORLQRCVSNWRQDL 627
DB      190 VVYTRCNGSGGARKVFLVGPESYICTSNDQ--VGIWSGAPQCIIPNKKCTPPVVENGI 247
QY      628 CHEVCNNM--LNDPDDGDC-----C-----DPQVADVRTKCFDPDSKRAY 666
DB      248 LVSDNRSLFSLINEVEVEFRQGVFVPMKGRRKCAQLNKMEEBLPSCSKVCCPPRYLHA- 306
QY      667 MSVXELKEALQJNSTHF--LNIYFASSVREDLAQAATW-----PMDKAVT 710
DB      307 -----ERTQRDKONFSGQGEVVFSGCEPXDVLGSAAMRCRTPQGDWGPAPATCEVKSQD 359
QY      711 -----HLGGIYLSPAYIYMPGHTITMHEVGHVLG--LYHYFKG-----VSERE 752
DB      360 DFMGQLNLGRVTLFPNQLQGAKVDFVCDGEGQLKSSASAYCYLAAMEGLMNSVVECEQI 419
QY      753 SCDNCKETVPS-METG-----DLCAD----- 773
DB      420 FC--PSPPVITPNGRHTGKPLEVFPFGKAVNYTCDPHPRGRISFDLIGESTIRCTSDPQGN 477
QY      774 ---TAPTEKSEL--CREPE-----PTSDTCGFTRP--GAPETNYMS 808
DB      478 GWSSPAPARCGILGHGCAQBDHFLPAKLKTQTNASDPFICTSLKYKCEBRYGGRPS---- 533
QY      809 YTTDNCTDINF--TPNQVARMHCYLDLVYQOMTESRKTPPIPIPMV----- 852
DB      534 ---ITCLDNLVWSPSKDVCK-----RKSKCTPPDPVNGMVNVTIDIOVSRIN 578
QY      853 -----IGQTNKSLTI-----HW--LPPI-----SGVYVDRASGSLCGACTEDGTFR 891
DB      579 YSCTTGHLRIGISSAECLTSGNAAMWSTKPIQRIPCGLPPTIANQDPI-----STNR 632
QY      892 QYVHTAS--SRRVCSGSGYTPPEEAVGPDV-----DQPCPSLQAWMS-PEVHLVHNM 942
DB      633 ENFHGVSIVYTRCNGSGGRKVFELVGPESYICTSNDQ-----VGINSRAPQCIIPNPK 687
QY      943 TVPCTEGCSLELLFQHPVQADTLTLMWTSFPMESSQVLFTEILLE--NKESVHLGDL 999

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Db      579 YSCTGHRILGHSSACILISGNAAHWSTKPRICQRIPCGLPTIANGDFI-----STNR 632
Qy      892 QVYHTAS--SRRCDSGCVTPPEAVGPBV-----DPCBSLQAMS-PEVHLTHMM 942
Db      633 ENFHYSVVTYRCNPGSGRKVELVGEPSIYCTSDQ-----VQIMSGPACQIIPNK 687
Qy      943 TVPCFTEGSLLELFQHPVQADLTLLVWTSFFMESSOVLPDTEILLE--NKESVHLGPL 999
Db      688 CTRPNE-----NGILVSDNRSLFSLNEVFEFRQPGFVWKGR 726
Qy      1000 DTFCDIPLTIKLVADGKVGKVTYFDERIEIDALLTSQPHSLCSG-CRPVRYQVLAD 1058
Db      727 RVKQC-----ALNKMEPELPCSRVQC----- 749
Qy      1059 PPPASGLPVVYTHSHKFTDVE-VTRQOMQYQVLABAGEL-GEAS----PLNLIHGA 1112
Db      750 -----PDVLHAERTORDKNFSPGOEVFYS--CEPGYDLGALASMRCTPGDWSPPA 800
Qy      1113 PYCG-----DGK-----VSERLGEE--CDDGDLVSGDGS----- 1140
Db      801 PTCVKSCHDDFMQOLLNGRVLPVNILOLAKVDFVCEGFLKGSASVYVLAMGSLMN 860
Qy      1141 ---KVCE-----LE-----EGFNCVGEPSL-C 1158
Db      861 SSVVCEQIFCSPRPVTPNGRHTGKPLEVPFGKAVNYTCDPHPRGTSPDLGESTIRC 920
Qy      1159 YM-YEEDGI-----CE-----PPEKTSIVDCGIYT-----PKGY- 1187
Db      921 TSDPGQNGWSSPAPRCGLIGHCOADHFLFAKIKQYTNASDPPIGHSKYECRPEYGR 980
Qy      1188 -----LDQWATRAYSSHED--KKKC--PVSLVTGEPSHL-----CTSHPD 1225
Db      981 PRSITLID--NLVWSSPKDVCCKRSCKTPPDVYNGKAVITITIOVGSRLNYSCITGH-R 1036
Qy      1226 LPNHR-----PLTGWFC-----VASENETODDBSEOPESLKKEDV 1263
Db      1037 LIGHSSAECLISGNTAHMSTKPRICQRIPCGLPTIANGDFISTNENFHYGSV----- 1090
Qy      1264 WLVKVCNRRGEAARF-----IFLTGD-----LVNGHQOPIVT--LVY 1301
Db      1091 -VYTRCNLSGRKRVFELVGEPSIYCTSDQVINGSPAPQCIIPKCTPRPVENGILV 1149
Qy      1302 TVDRGSNHL-----GTYGSCQ-----HNPLIIVTHNQVLPH 1336
Db      1150 SD---NRLSLFSLNEVDFRCQGFVWKGRPVKQCALNKMBELPSCSVCCQPPREILH 1205
Qy      1337 --HTTSVLNLFSSPRVGISAVALTSTRIGLSAPSNCSISEGONHOGOSCIHRPCGQ- 1393
Db      1206 GEHTPSHODNFSF-----GQEVFYS--EPGYDLRGAASLH--CTPG 1244
Qy      1394 -----DSCPSLL--LDHADVNCISIGPGLMKCALITQORPALQASSGQYIIRP 1440
Db      1245 DWSPEARCAVKSCHDFLQGLPHGRVLPFLNLQLG-AKVSFVCDDEGRFLGSSVSH---- 1299
Qy      1441 QKEILLTCSGSHDOWVS-CLPVDGVPDPSLVNANFSCSEG-TKFLKXCSISCVP-- 1495
Db      1300 ---CVLVGKMSLNNNSVPVCEHIFCPNP-PAILNGRHTGPSGDIPIYKXISTTCDBHPD 1355
Qy      1496 ---PAKLOGLSPWLTLED---GLWSLPEVYCKL-----ECDAPRIILNANLPHQLO 1543
Db      1356 RGMFTULIGEST-IRCTSDPHNGWSSPAPRCELSVRAGHCTPGEPPFASPTIP--IN 1412
Qy      1544 D-NHADVTICKCYCKRGYVVAESABEKVKNKLKIQCLEGGIWE--QGSCTPVVCEBPP 1600
Db      1413 DFEFPVGTSLNYECRBYF-----GKMFSISICLENILVWSSVEDNCRKSCGPPPE 1462
Qy      1601 VFEGM-----YECTNGFSL--DSQCLNCGERKRLPIICTEGELWTOE 1642
Db      1463 PRFGMWHINTDTQFGSTVNTSCNGBFRLISGSTTCLVSGNNV-----TWCK 1510
Qy      1643 FKLCEMLQGECCPPPSBLNS-----VEYKCEOGYG----- 1672

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Db      1511 ADICEII--SCEPPPTISNGDFYSNNRTSFHNGVTVYQCHTGPDEQLFELVGERSIYC 1568
Qy      1673 -----IGAVCSP-----LCVLP-SDPVWLPENIT-----ADTLEHMBEP-----VNY 1709
Db      1569 TSKDDQVWSSBPPRCISTNKCTAPEVENAIRPGRNSFPSLTEIIRRCQGFVWGS 1628
Qy      1710 OSIVCTGRQWHPDPVLVHCIOSCP 1735
Db      1629 HTVQCOTNGRW--GPKLPHCSRVCP 1652

RESULT.12
US-09-612-314A-52
; Sequence 52, Application US/09612314A
; Patent No. 6713606
; GENERAL INFORMATION:
; APPLICANT: SMITH, RICHARD ANTHONY GODWIN
; APPLICANT: DODD, IAN
; APPLICANT: MOSSAKOWSKA, DANUTA EWA IRENA
; TITLE OF INVENTION: CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH
; TITLE OF INVENTION: MEMBRANE-BINDING AGENTS
; FILE REFERENCE: 37945-0004
; CURRENT APPLICATION NUMBER: US/09/612,314A
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/214,913
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: PCT/EP97/03715
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: GB 96 148 71.3
; PRIOR FILING DATE: 1996-07-15
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 52
; LENGTH: 1947
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: CRL
US-09-612-314A-52

Query Match      2.9%; Score 287; DB 2; Length 1947;
Best Local Similarity 19.1%; Pred. No. 1e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

Qy      466 EWVRF-----RDE-----KYPRLEVLQGFEBREPLSLQPL-----CGQVVCN 506
Db      6 EWLPFARPTNLTDSEFPPIGTLYNTECRPGYGRPSIICLNKSVWTGAKDRCRKSCRN 65
Qy      507 -----VELISQYNGVPLRGEKVIYQVNICD--DE 536
Db      66 PDPVNGMVHVIKGIQFSQIKYSCYKGYRLIGSSSATCIIISGDTYIMWNEPICDRIIC 125
Qy      537 GLNPVSEQIRLOHEALNEAF--SRVVISQLSVHQVHNSTLRHRYVLVNCPEPKIGN 593
Db      126 GLPPTIT-----NGDFTSTRENENFY-----GSVVTYRCNPGSGGR 161
Qy      594 D-----HDCPECHPLNGYDGG--DCLQGRCVSNRRDGLCHVECNM--LND 638
Db      162 KYFELVGEPSIYCTSDQ--VGIMSGAPQCIIPKCTPRPVENISILVSDNRSLFSLNE 219
Qy      639 FDDGDC-----C-----DPOADVAKTCFPPDSPKRAYMSVKELKEALQLN 679
Db      220 VVEFRQPGFVWKGRPVKQCALNKMBELPSCSVCCQPPRYLHA-----ERTQRD 271
Qy      680 STHF--LNIYPASSVREDLAGAATV-----PMDKAVT-----HLGSIYLS 718
Db      272 KNFSPGQGVFVSCBPGYDLRGAASMRCTPGDWSPPAAPTCEVKSCHDDFMQOLLNGRVLP 331
Qy      719 PAYYGRHGTDMIMHIVHVLG--LYHYFKG-----VSEBESGNDPCKETVPS- 764
Db      332 PVNLQGAKVDFVCEGFLKGSASVYVLAMGSLMNSVPVCEQIFC--PSRPVTPNG 389
Qy      765 METG-----DLCAD-----TAPTPKSEL- 782

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Db 390 RHTKPLEVFPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPOGNGWMSAPAPRGIL 449
Qy 783 --CNEPR-----PTSDCGTRP--GAPFTMYMTDNDCTDN-- 818
Db 450 GHCAHPFLPAKTKQTNASDPFGTSLKYCRPEYGRFS-----ITCLDNLWS 502
Qy 819 TPNOVAHMCYLDLVYQWTERKPTPIPPMV-----IGQT 856
Db 503 SPKOVCK-----RKSCTPPDVNGMHVITDIOVGRINYCTGHRLLGHS 550
Qy 857 NKSJLT-----HW-LPPI-----SGVYDASGLGACTEDTFRQYVHTAS--SRV 902
Db 551 SAECILSGNAHMTKPCICRIPCGLPRTIANGDPI-----STNENPHYSVAVYRC 604
Qy 903 CDSGYTPREAVPRDV-----DQCEPSLOAMS--PEVHLHMMNTVPCPTGCSLEL 955
Db 605 NPGSGRKVELVEPISICTSNDQ-----VGIMSGAPQCILPNKCTPPNVA----- 653
Qy 956 LFGHPVQADTLTLMTVSFFMESSQVLPDTLLLE--NKESVHLGPDTCIDIPILIKH 1012
Db 654 -----NGILVSDNLSLFLNEVEFRQCPGFVMKGPFRVKCQ----- 690
Qy 1013 VDGKVGKVTYTPDERIEIDALLTSQPHSLCSG--CRPVRYQVLRDPPFASGLPVVYTH 1071
Db 691 -----ALNKMRELPSGSRVCP-----PPVYH 714
Qy 1072 SHRKFTDVE--VTGQMTQYOLAEAGEL--GEAS--PRLNHIGAPYCG----- 1116
Db 715 AERTORNDKMFSPQAEVFFYS--CEPGYDLGAASMRCTPOGDMSPAPRCEVKSDDPMG 772
Qy 1117 --DGK-----VSEBLGEE-----CDDGDLVSGDGS-----KYCE-- 1144
Db 773 QLLANGVLFVFNLDGAKVDFVCEGFLQKSSASYVLGAMESLWMSVAVCEQIFCPS 832
Qy 1145 -----LE-----EGENCVGEPSL--CYM--YESGDI----- 1166
Db 833 PVIYPNGRHTGKLEVPFGKAVNYTCDPHPDRGTSFDLIGESTIRCTSDPOGNGWMS 892
Qy 1167 -----CE-----PPEKRTIVDCGIYT-----PKGY-----LDOWATR 1194
Db 893 APRCGILGHCOAPRHLPAKTKQTNASDPFGTSLKYCRPEYGRFSITCDD--NL 949
Qy 1195 AVSHEH--KKKC--PVSLVTGERPSLI-----CTSHPLPMMR----- 1230
Db 950 WMSPPKDVCKRKCKTPPDVNGVHVITDIOVGRINYCTGHR--RLIGHSSAECILSG 1008
Qy 1231 -----PLTGMFPC-----VASENETODDRSEQEGSLKKEDEVWLKVCENRPEAR 1276
Db 1009 NTAHMTKPCICRIPCGLPRTIANGDPISTNENPHYSV-----VYRCNLGSRGR 1061
Qy 1277 AIF-----IFLITDG-----LVGEHQOQTVT--LYLTDVGRGNSHL-- 1311
Db 1062 KYVELVGEPSICTSNDQVGIWSPAPQCILPNKCTPPVENGILVSD--NRSLFSL 1117
Qy 1312 -----GTGGLSCQ-----HNPILINVTTHQVNLPH--HTTSVLNLFSS 1347
Db 1118 NEVEFRCCOPGFVMKGPFRVYKCOALNMBELPSCSVCCOPPEILIGHETPSHONFSP 1177
Qy 1348 PRVIGISAVALTSSRIGLSAPNSCISEDEGNOHOGSCIRPCGQ-----DS 1395
Db 1178 -----GQEVFVSC-----EPGIDLRGASLSLH--CTPOGMSPEARCAVKS 1216
Qy 1396 CPSLL--LDHADVYNCTSIGRGLMKCAITCORGFALQASSGOYIRPMQKELILTCSSGH 1453
Db 1217 CDDFLGLQPHGRVLFPLNLQLG--AKVAFVCEDEGRFLKGSVSH-----CVLVGRSLW 1268
Qy 1454 DQWVS--CLPVDGCVPPDSLVNYANFSCSEG--TKFLKRCGISCVP-----PAKLOGLSPW 1505
Db 1269 NNSVPVCEHIFCENP--PALINGRHTGTPSGDIPYGEKISYTCDPHPDRGTFMLIGBST-- 1326
Qy 1506 LITLED-----GLWSLPEVYCKL-----ECDAPIILNANLLPHCQD--NHDVGTICXK 1555

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Db 1327 IRCTSDPHGNGWMSAPARCELSYRAGHCKTPEQPPASPTIP--INDFEFVGTSLN 1384
Qy 1556 CKRGYVAAEABEGKVNKLKIQCLEGIVE--QGSCI PVYCEPPPPVEFGM----- 1605
Db 1385 CRGRYF-----GKMFSICLENLWMSVEDNCRKSCGPPPEFNGMHINTDTQ 1434
Qy 1606 -----YECTNGFSL-----DSOCVLNONGERKPLICTEGMLTQEFKLCENLQGB 1655
Db 1435 FGSITVNSCEGFRLLGSPSTTCLVSGNNV-----TWDKAPICEII--SCEP 1480
Qy 1656 PPSBLNS-----VEYKCEQCYG-----IGAVCSP 1679
Db 1481 PPTISNDGFYSNNRTSFHNGTVVYTCHTGPDDEQLFELYGERSICTSKDDQVGVWSP 1540
Qy 1680 -----LCVIPP--SDPVMLENIT--ADTLEHMMEB--VKVQSVICTGRQWHP 1722
Db 1541 PPRCISTNKCTAEVENALRPVGNRSFSLTEIIRRCQGFVWGSHTVQCTNGRW-- 1598
Qy 1723 DPVLVHCIOGCEP 1735
Db 1599 GPKLPFCRSRVCP 1611

```

## RESULT 13

US-08-126-505A-13

Sequence 13, Application US/08126505A

Patent No. 6897290

GENERAL INFORMATION:

APPLICANT: Atkinson, John P.

APPLICANT: Hourcade, Dennis

APPLICANT: Krych, Malgorzata

TITLE OF INVENTION: Modified Truncated Complement System

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Patrea L. Pabst

STREET: 2800 One Atlantic Center, 1201 West Peachtree

STREET: Street

CITY: Atlanta

STATE: Georgia

COUNTRY: US

ZIP: 30309-3450

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/126,505A

FILING DATE: 24-SEP-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/695,514

FILING DATE: 03-MAY-1991

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.

REGISTRATION NUMBER: 31,284

REFERENCE/DOCKET NUMBER: WU101CIP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (404)873-8794

TELEFAX: (404)873-8795

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 1998 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-126-505A-13

## Query Match

Best local Similarity 19.1%; Score 287; DB 2; Length 1998;  
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 466 EWPVF-----RDE-----KYPRLEVLQGFEBEPEILSPLOPPL-----CGQTVCDN 506  
 Db 6 EMLPFPARPNLTDPEFPPIGTLYLNYECRPGYSRPSIILCKNSVMTGAKDRRRRSCN 65  
 QY 507 -----VELISQNGWPELRGEKXIRYQVONICD--DE 536  
 Db 66 PDPVNGMVHVIKIGIOFSQIKYCTKRYALLGSSSATCIIISGDTYIMNENPFCIRIP 125  
 QY 537 GUNPIYSEBQIRQHEALNAF-----SRYNISWQLSHQVHNSTLRHRYVLVNEPEKIN 593  
 Db 126 GLPPTIT-----NGDFISTNRENFHY-----GSVVTYRCNPGSGR 161  
 QY 594 D-----HCDPECEHPLTGYDGS-----DCRLQRCYSWMNRDGLCHYECNM--LND 638  
 Db 162 KYFELVGEBSIYCTSDNQ--VGIMSGPARQCIIPKCTPPNVENGLIVSDNRSLSLNE 219  
 QY 639 FDDGDC-----C-----DPOVADYKTCFDDPSKRAYMSVKELKALQJLN 679  
 Db 220 VVEFRQPGFVMKPPRRVKQALNKWPELPSCSRVQOPPDVLAH-----ERTORD 271  
 QY 680 STHF-----LNIYFASSVREDLAGAATW-----PMDDAVT-----HLGGIVLS 718  
 Db 272 KDNFSGQEVFTYSCBEGYDLRGASMRCTPQGDMSPAAPTCVYKSCDDFMGQLLNGRLV 331  
 QY 719 PAYYMGHGTDTMIHEVGHVLG--LYHYFKG-----VSERESQNDPCKETVPS- 764  
 Db 332 PVNLQGAARVDYFCDEGFPOLKSSASAYCVLAGMESLMSNSVPCEQIFC--PSPPIYNG 389  
 QY 765 METG-----DLCAD-----TAPYKSEL- 782  
 Db 390 RHGKLEVEFPFGKAVNYTCDPHPRDGTSEFDLIGESTIRCTSDPQNGVWSSPAPRCGIL 449  
 QY 783 --CREPE-----PTSDTGFTFRP--GAPFTNWSYTDNDNTDF-- 818  
 Db 450 GHQOABDHFLFAKLKTQJNADSPFICTSLKTECRPEYGRPS-----ITCLDLNLS 502  
 QY 819 TPNOVARMHCYLDLVYQWTESRKPPIPIPMV-----IGOT 856  
 Db 503 SPKDVCK-----RKSKCTPPDPVNGMVHITDIQVGRINSCTTGRLIGHS 550  
 QY 857 NMSLIT-----HW-LPPI-----SGVYVDRASGSLCAGCTEDGTROYVHTAS--SRV 902  
 Db 551 SAECLISGNAHSTPPIQRIPCGIPRTIANGDI-----STRENFHYGSSVVTYRC 604  
 QY 903 CQSSGWTPBEAAGPRDV-----DQCEPSLOAMS--PEVHLVHMMTVPCPTEGSL 955  
 Db 605 NGSQGRKVFELVGEBSIYCTSDNQ--VGIMSGPARQCIIPKCTPPNVE----- 653  
 QY 956 LFQHPVQADTLTLMTVSFFMESQVLFDEILLE--NKESVHAGLDFTPCDILPTIKLH 1012  
 Db 654 -----NGILVSDNRSLFSLNEVEFPFCQPGFWMKGRVAKCO----- 690  
 QY 1013 VDGKVSQVYVTFDERIEIDALLITSQPHSPLCSG--CRPVRYOVLDRPPASGLPVVTH 1071  
 Db 691 -----ALNKWPELPSCSRVQOP-----PDDVLAH 714  
 QY 1072 SHRKFTDVE--YTPGMYOYOVLAAGEL--GEAS-----PMLNHGAPYCG----- 1116  
 Db 715 AERTQDKDNFSGQEVFTS--CEPGYDLRGASMRCTPQGDMSPAAPTCVYKSCDDFMG 772  
 QY 1117 --DGK-----VSERLGEE--CDGDVLVSGDCS-----KYCE----- 1144  
 Db 773 QLLNGRVLPVNLQIAKVDVDEGFLKSSASAYCVLAGMESLMSNSVPCEQIFCS 832  
 QY 1145 -----LE-----EGFNVCYGEPSL-CYM-YESDGI----- 1166  
 Db 833 PVIYNGRHTGKLEVEFPFGKAVNYTCDPHPRDGTSEFDLIGESTIRCTSDPQNGVWSSP 892  
 QY 1167 -----CE-----PFEKRTSIVCGIT-----PKGY-----LDQWATR 1194  
 Db 893 APRCGILGHQOABDHFLFAKLKTQJNADSPFICTSLKTECRPEYGRPSIYCTCLD--NL 949  
 QY 1195 AVSSHED--KKKC--PVSIVTGEPSHLI-----CTSYHDDLPHNR----- 1230

Db 950 VMSSPDVCKRKSCTPPDPVNGMVHITDIQVGRINSYCTTG--RLIGHSSAECLISG 1008  
 QY 1231 -----PLTGMFPC-----VASENETODRSQPRGSLKKEBWLKVFNPGEAR 1276  
 Db 1009 NTAHSTKPIQRIPCGIPRTIANGDIFSTNRENFHYGVS-----VTRYCNLSGR 1061  
 QY 1277 AIF-----IFLTTDG-----LVPGHQOPTYV--LYLTPVGRSNHSL-- 1311  
 Db 1062 KYFELVGEBSIYCTSDNQVGVISGPARQCIIPKCTPPNVENGLIVSD--NNSLFL 1117  
 QY 1312 -----GTYGLSQ-----HNPLIINTHQVNLFH--HTTSVILLNESS 1347  
 Db 1118 NEVEFRQPGFVMKPPRRVKQALNKWPELPSCSRVQOPPEILHGEHTSHODNFSP 1177  
 QY 1348 PRVGISAVALTSSRIGLSAPENCISEDEGQNHQOSCIHRCCQO-----DS 1395  
 Db 1178 -----GGEVFYSC--EPGYDLRGASLH--CTPQGDMSPAAPCAVKS 1216  
 QY 1396 CPSLP--LDHADVNCTSIGPGLMKCAITCQGRFALQASSGQYIRPMQKELILTCSSGH 1453  
 Db 1217 CDDFLGQLPHGRVLPVNLQIG--AKVSFVCDGDFRLKSSVSH-----CYLVGMBSLM 1268  
 QY 1454 DQNVS--CLPVDGVPDPSLVNYANFSCSEG--TKFLKRCISICVP-----PAKLOGLSPW 1505  
 Db 1269 NNSVPVCEHIFCPNP--PALINGRHTGTPSGDIPYKKEISYCTCDPHPRDGMTFNLIGEST- 1326  
 QY 1506 LTCLD-----GLMSLPEYVCKL-----ECDAPILLANLPHLOD--NHVGTICKE 1555  
 Db 1327 INCTSDPHNGVWSSPAPRCCELISVRAHCKTPPEQPPFASPTIP--INFEFPVGTSLNE 1384  
 QY 1556 CKRGYYVASAGKVRNKLKIQCLEGGIWE--QGSCTPVVCEPPPVPEGM----- 1605  
 Db 1385 CRPGYF-----GGMFSLSCLENLWMSVEBNCRRKSGPPPEPENGVHINTDQ 1434  
 QY 1606 -----YECTNGFSL--DSQCVLNQOERBKLPILCTKESLQTOEFLCENLQGECP 1655  
 Db 1435 FGSYVANSYCNBEGFRLIGSPSTCLVSGNVV-----TWDKKAICBII--SCBP 1480  
 QY 1656 PPSSELS-----VEYKEQGYC-----IGAVCSP 1679  
 Db 1481 PPTISNGDFSNRNTSFHNGTVVYQCHTGPDEQLFELVGRSIYCTSKDOVGVWSSP 1540  
 QY 1680 -----LCVIPP--SDPMLPENIT--ADTLEHMMBP--YKQOSIVCTGRQWHP 1722  
 Db 1541 PRCISTNKTAPVENMAIRVGNRSFSLIEIIFRQPGRVWGSHTVQCTGTGR-- 1598  
 QY 1723 DPVLVHCIOQCEP 1735  
 Db 1599 GPKLPHCSRVQOP 1611

RESULT 14  
 5256642-6  
 ; Patent No. 5256642  
 ; APPLICANT: FEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
 ; WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F., II, STEPHEN  
 ; H.; MAKRIDES, SAVVAS; MARSH, HENRY C., JR.  
 ; TITLE OF INVENTION: COMPOSITIONS OF SOLUBLE COMPLEMENT  
 ; RECEPTOR 1 (CRI) AND A THROMBOPLTIC AGENT, AND THE METHODS OF  
 ; USE THEREOF  
 ; NUMBER OF SEQUENCES: 30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/588,128  
 ; FILING DATE: 24-SEP-1990  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 412,745  
 ; FILING DATE: 26-SEP-1989  
 ; APPLICATION NUMBER: 332,865  
 ; FILING DATE: 03-APR-1989  
 ; APPLICATION NUMBER: 176,532  
 ; FILING DATE: 01-APR-1988  
 ; SEQ ID NO:6:

LENGTH: 1466  
5256642-6

Query Match 2.9%; Score 283; DB 6; Length 1466;  
Best Local Similarity 19.5%; Pred. No. 1,4e-14;  
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;

QY 602 HPLTGYGDCRLOGRCYSWNRDGLC-HVECNMMLNDPDDGCCDQVADVKTCTCPDP 660  
DB HRLIGHSSABECILSGNAHMSKPPICQRIPCG-----LpPTIA-----121

QY 661 SPKRAVMSYKELKALQLNSTHFLNIYFASVREDLGAATWPDMDKDAVTHLGGIYLSPA 720  
DB 122 -----NGDFISTNENF-----HYGSVV---T 140

QY 721 YYGMPGHTDTMIEVGHVGLY-----HVFKEYSERESCNDPCKETVPSMETGDLCA 772  
DB 141 YRCNPGSGRKVPFELVGEPSIYCTSNDDQVIGWSGAPQ--CIIPNKCTPPNVENGILVS 198

QY 773 DTAFT-----PKSELCR--EPEPTSDTCGTFRPGAPFTNWSYT 810  
DB 199 DNRSLFSLNVEFRCPQPGFVMKGRKVCQALNKWBEPLPSCSRVCQF--PPDVLHAERT 257

QY 811 DDCNCTDNFTPNQVARMHCYLDLYVQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISG 870  
DB 258 QRD-KDNFSPGQVFPVSC-----EPG-----277

QY 871 VVVD-RASGSLGACTEDGTFROYVHTASRRVCDSSGWTPEBAVGPDP-----VDQP 923  
DB 278 --YDLGGAAM--RCTPQGDWSPAPRTCEVKSODDFMGQLNKRVLFPVLQIGAKVDFV 333

QY 924 CEESLQAMSEPVHLYHMMNTVPCPTBGCSJELLFQHPVQADTLTWVTSFMESSQVLF 963  
DB 334 CDGQFO-----LKSQA--SYCVLAGMSLMSNVSVPV-CEQIFCP 370

QY 984 TEILLENKESVHLG-PLDTF-----CDIPLTILGHYDGKVSQKVTPPERIEIDA 1033  
DB 371 SPVIVINGR--HNGKPLEVFPFGKAVNYTD-----PHDRGTS-----FD-LIGEST 415

QY 1034 ALLTSOPH-----SPL-----CSGCRPVYQVLRDPPFASGLPVVHTSHRKTFVD 1079  
DB 416 IRCTSDPQNGWSSPAPRCGILGHCOAPHLPLAKLKTQTNASDPFI-----463

QY 1080 EVTPGQMYQVLAEGG-----ELGEASR-----PLMITHGAPY-CGDG 1118  
DB 464 ----GSLKYECPREYGRPFSITCLDNLVWSSPKVDCRRKSKCTPPDPNGVHVTDI 519

QY 1119 KYSERLGEECDGDDIVSGDCSKVCELEBGFNCVGBPSLCTMYTEGDCICEPFRKTSIYD 1178  
DB 520 QVGSRLNYSCTTHRLIGHSSAB-----CILSGNTAMSTKPPICQF-----IP 563

QY 1179 CG-----LYTPKGYLDQWATRAYSSHEDKKCPVSLVTGEPHSLICTSYHPD--- 1225  
DB 564 CGLPRTIANGDFISTRENHYGSVYTRCNLGRKGVYELGEP-SIYCTISNDQVGI 622

QY 1226 -----LPHN-RPLTGMFPCVASENETODDRSEQBSGLKKEDEWMLKVCFNRPGEA 1275  
DB 623 WSGPAPQCIIPNKCTP-----PNVENGILVSDNRS--LPSLNEVVEFRCPQGFVMKGR 674

QY 1276 RAIFELITDGLVGEHQOFTVLYLTDVAGSNHSLCTVGLSCOHNPLIINTVH---HON 1332  
DB 675 R-----VKOALNKWBEPLPSCSRV-----COPPELIGHGHTSHSD 712

QY 1333 VLFHHTTVLNLFSPPVIGISAVALRTSRIGLSABSNCLISBDEGNOHOGQSCIH----- 1387  
DB 713 -----NFSF-----GQEVFYSF--EPGYDLRBAABSLHCTPRG 742

QY 1388 -----RPGCKODSCPSLL--LDHADVYNCTSIGBGLKCAITQORGFALQASSGQYIRPM 1440  
DB 743 DWSPEAPRCAYKSCDFFLGQLPGRVLPFLNLQIG-AKVSFVCDGFRLLGSSSVSH--- 797

QY 1441 QKSLTLTSSGHMDQVVS-CLPVDGCVPDPSLVNVA NFSSEB-TKFLKRCGISVCP--- 1495  
DB 1441 QKSLTLTSSGHMDQVVS-CLPVDGCVPDPSLVNVA NFSSEB-TKFLKRCGISVCP--- 1495

DB 798 ---CVLWGRSLMNNVSPVCEHIFCENP--PAILNGHRTGPSDIPYKREISTYCDPHD 853

QY 1496 ---PARKGLSPMLTCLD-----GLWSLEPVYCKL-----ECDAPITILNANLLPHCLQ 1543  
DB 854 RGMWFLIGEST-IRCTSDPHGNGWSSPAPRCELSVRAHGCKTPEQFPFASPFTIP--IN 910

QY 1544 D-NHDVGTICKYCKCKGYVYAESABGKVRNKLKIOCLBEGTVE--QSGCIPVYCEPPPP 1600  
DB 911 DFEPPVGTSLNYECRBYF-----GKMPSICLENLVSVSVEDNCRKSCGPPPE 960

QY 1601 VFEGM-----YECTNGPSL-----DSQCVLNOQREKLPILCTBGLWTOE 1642  
DB 961 PFNGMWHINTDTPGSTWVNSCNEGFRLLGSPSTTCLVGSANN-----TWDK 1008

QY 1643 FKLCEMLQCECPPPSELNS-----VEYKCEQGYG-----1672  
DB 1009 APICEII--SCBPPPTISNDGFYSNNRTSPHNGTVVLYOCHTPDDEQLFELVGERSIYC 1066

QY 1673 -----IGAVCSF-----LCVIRP-SDPVMLPENIT---ADTLEHMER--YKV 1709  
DB 1067 TSKDDQVWSSPDPPECISTNKCTABEVENALRPGRSFFSLTEIIRFCQGFVWVGS 1126

QY 1710 QSIYCTGRQWHPDPLVHVCIOGCEP 1735  
DB 1127 HTVQCOTNGRM--GPKLPHCSRVQF 1150

RESULT 15  
5472939-6

APPLICANT: PEARON, DOUGLAS T.; KLICKSTEIN, LLOYD B.; WONG,  
WINNIE W.; CARSON, GERALD R.; CONCINO, MICHAEL F.; TP, STEPHEN  
H.; MAKRIEIS, SAVVAS; MARSH, HENRY C. JR.  
TITLE OF INVENTION: METHOD OF TREATING COMPLEMENT  
MEDATED DISORDERS  
NUMBER OF SEQUENCES: 30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/138,825  
FILING DATE: 19-OCT-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 588,128  
FILING DATE: 24-SEP-1990  
APPLICATION NUMBER: 412,745  
FILING DATE: 26-SEP-1989  
APPLICATION NUMBER: 332,865  
FILING DATE: 03-APR-1989  
APPLICATION NUMBER: 176,532  
FILING DATE: 01-APR-1988  
SEQ ID NO: 6  
LENGTH: 1466

Query Match 2.9%; Score 283; DB 6; Length 1466;  
Best Local Similarity 19.5%; Pred. No. 1,4e-14;  
Matches 262; Conservative 140; Mismatches 454; Indels 490; Gaps 71;

QY 602 HPLTGYGDCRLOGRCYSWNRDGLC-HVECNMMLNDPDDGCCDQVADVKTCTCPDP 660  
DB HRLIGHSSABECILSGNAHMSKPPICQRIPCG-----LpPTIA-----121

QY 661 SPKRAVMSYKELKALQLNSTHFLNIYFASVREDLGAATWPDMDKDAVTHLGGIYLSPA 720  
DB 122 -----NGDFISTNENF-----HYGSVV---T 140

QY 721 YYGMPGHTDTMIEVGHVGLY-----HVFKEYSERESCNDPCKETVPSMETGDLCA 772  
DB 141 YRCNPGSGRKVPFELVGEPSIYCTSNDDQVIGWSGAPQ--CIIPNKCTPPNVENGILVS 198

QY 773 DTAFT-----PKSELCR--EPEPTSDTCGTFRPGAPFTNWSYT 810  
DB 199 DNRSLFSLNVEFRCPQPGFVMKGRKVCQALNKWBEPLPSCSRVCQF--PPDVLHAERT 257

QY 811 DDCNCTDNFTPNQVARMHCYLDLYVQWTESRKPTPIPIPMVIGQTNKSLTIHMLPISG 870

Db 258 QBD-KDNFSGQEVFYSC-----EPG----- 277

Qy 871 WYD-RASGSLCAGCTEDGTFROYHTASRRVCDSSGWTPEBAVPPD-----VDOP 923

Db 278 --YDLRGAASM--RCTPOGDMSPAAPCEVKS CDDFMGOLLNGRVLPVVLQULAKYVDFP 333

Qy 924 CEBSLQAMSPREVALYHMMNTVPCPTBGCSLELLFQHPVQADTLTLWVTSFPMESQVLPD 983

Db 334 CDEGFGQ-----LKGSSA---SYCVLAGMESLMMSSVVP-CEQIFCP 370

Qy 984 TEILLENKESVHLG-PLDTF-----CDIPLTIKLHVKGVSQVYTFPDERIEIDA 1033

Db 371 SPVLIENGR--HTGKPLEVFPFGKAVNYTCD-----PHDRGTS-----FD-LIGEST 415

Qy 1034 ALLTSOPH-----SPL-----CSGCRPVRYQVLRDPPFASGLPVVYVTHSHRKFTDV 1079

Db 416 IRCTSDPOGNGVWSSPAAPRCGLIGHCOAPDHPFLFAKLKTQTNASDFPI----- 463

Qy 1080 EYTPGOMYQOVLAEAG-----ELGEASP-----PLNHIHGAPY-CGPG 1118

Db 464 ---GTSUKYECREPEYGRPFSTICLDNLVWSSPKDVCRRKSCKTPDPVNGMVHVTDI 519

Qy 1119 KYSERLGEBCDDGLVSGDCSKVCELEBGFNCVGEPSLCVMEYEGDGCPEPFERKTSIVD 1178

Db 520 QVGSRLNYSCTTGRLIGHSSAE-----CILSGNTAHMSTKXPICOR-----IP 563

Qy 1179 CG-----IYTPKGYLDQMATRAYSHEDKCKPVSLVTGERPHSLICTSYHPD--- 1225

Db 564 CGLPPTIANGDFISTIRENFHYGSVVTYRCNLGSRGRKVPFELVEBP-SIYCTSNDOVGI 622

Qy 1226 -----LPNH-RPLTGWFCVASBENETODDRSEOPBESLYKEDBVMUKVCENRPGEA 1275

Db 623 WSGRAPQCIIPNKCTP-----PVENGILVSDNRS--LFSLNEVYBFRCPQPFVWKGR 674

Qy 1276 RALFIFLTDTGLVPGHEOQPTVTLVLDVGRSNHSLGTGYLSQHNPLIINVTH---HON 1332

Db 675 R-----VKQALNKWPELPSCSRV-----CQPPELHGEHTPSHD 712

Qy 1333 VLFHHTSVLNNSSPRVGISAVALTSSRIGLSAPSNCISEDEGONHOGQSCIH----- 1387

Db 713 -----NFS-----GQEVFYSC---EPGYDLRGAASLHCTPRG 742

Qy 1388 -----RPGKODSCPSLL--LDHADVNTCTSIGPLMKCAITQGRPALQASGOYIRPM 1440

Db 743 DMSPEAPRCAYKSCDPLGQLPHGRVLPFLNLQLG-AKVSFVCEGFRLKSSSVSH----- 797

Qy 1441 QKEILLTSSGHWQNVS-CLPYDCGVPPPSLVNVANFSCSEG-TKFLKRCSSISCVP--- 1495

Db 798 ---CVLVGRKSLMNNNSVPVCEHIFCPNP-PAILNGRHGTGPSGDIPIYKEISYTCDPHPD 853

Qy 1496 ---PALQGLSPWLTLED---GLWSLPEVYCKL---ECDAPRIILANAILPHCIQ 1543

Db 854 RGMFTNLIGEST-IRCTSDPHGNGVWSSPAAPRCLEISVRAGHCKTPBOFPFASPITIP--IN 910

Qy 1544 D-NHDVGTICKYECKPGYVVAASABGKVMKLIKIOCLEGIME--QGSCLPVVCEPPP 1600

Db 911 DEFPVGTSLNIECRPGYF-----GKMFSICLENLVMSVEDNCRKSCGPPPE 960

Qy 1601 VREGM-----YECTNGFSL-----DSQCVLNCQDEREKLPIILCTKEGLMTOE 1642

Db 961 PFNGVYHINTDQFGSTVNVSCNEGFRLLGSPSTCLVSGNNV-----TWDXK 1008

Qy 1643 FKLCENLOCECPPEBELNS-----VEYKCEQGYG----- 1672

Db 1009 APICEIIL--SCEPPPTISNGDFYNNRTSFHNGTIVTYQCHTGPDGEOLFELVGERSIYC 1066

Qy 1673 ---IGAVCSP-----LCVIPP-SDPVMLPENIT---ADTLEHMEP---VKY 1709

Db 1067 TSKDDQVGVWSSPPRCISTNKCTAPAEVENAIRVPGNRSPFSLTEIIRRCQPGFVWGS 1126

Qy 1710 QSIVCTGRQWHPDPVLVHCIOGCEP 1735

Db 1127 HTVQCQTNGRW--GPKLPHCSRVCOP 1150

Search completed: January 30, 2006, 15:26:17  
Job time : 42.7393 secs



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Qy 663 K R A Y S V K E L K E A L O U N S T H P L I N I Y P A S S V R E D L A A T P M D K D A V T H L G G I V L S P A Y 722
Db 492 H R A Y L D V N E L K N I L K I D S T H L I F F A K S S E E L A V A T P M D K E L M H L G G I V L N P S F Y 551
Qy 723 G M P G H T I M I H E Y G H V L G L Y H V F K G Y S E R E S C N D P C K E T V P S M E T G D L C A D T A P T P K S E L 782
Db 552 G M P G H T I M I H E L G S L G L Y H V R G I S E I Q S C S D P C M E T E P S E T E D L C N D T N P A K H S 611
Qy 783 C S E P E T S D T C G F T P G A P F T I N Y S Y T D N C T D N F T P N O V A M C Y L D L V T Q O W T E S R K 842
Db 612 C D D P G G N D T C G H S F F N T P Y N N F M S Y A D D C T D S F T P N O V A M H C Y L D L V Y Q G W Q P S R K 671
Qy 843 P R I P I R P V I G O T N K S L T I H M L P R I S G V V Y D A S S L G A C T E D T F R Q Y H T A S R R V 902
Db 672 P A P V A L A P O V L G H T T D S V T L E W F P P I D G H F E K E L G S A C H L C L E G R I L V Q Y A S N A S S P M P 731
Qy 903 C D S S G Y T P E B A V G P P D V O P C E P S I Q A M S P E V H L Y H M M T V P C P - T E G C S L E L L F Q H P V 961
Db 732 C S P S G H M S P R E A G H D V E Q P C K S V R T M S P N S A V N P H V P R A C P E P O C Y L E B L E Y L P L 791
Qy 962 Q A D T L T L W T - S F E M S S Q V L F D T E I L L E N K E S V H L G P L D F C D I P L T I K L - H V D K Y S 1018
Db 792 V E S L T I W T F V S T D M S S G A V A N D I K L L A V S G K N I S L G P O N F C D V P L T R I L M D V G E E V Y 851
Qy 1019 G Y K V Y F D E R I E I D A L L T S Q H S P L C S G C R P R Y O V L A D P P A S L P V V V H S H K F P D 1078
Db 852 G I Q I Y L D H L E T D A M L T S T A D T P L C O C K P K Y V A D P P I Q M D V A I L - H L N K F Y D 910
Qy 1079 V E T P G O M Y O Y U L A B A G E L G E A S P L N H I G A P Y C G G K Y S E R L G E E C D D L Y A S G D G 1138
Db 911 M O L A N G S Y O Y W I T T S G T E B S P S A V Y I H R G C G G I I O K D G E C D D M N K I N G S G 970
Qy 1139 C S K V C E L E B G P N C V G S P L C Y M E G D I C E P P E R K T S I V D C G I Y T P K Y I D O M A T R A Y S 1198
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Qy 1199 H E D K K C P S I V T G E P - H S L I C T S Y H P D L B N H R P L T G W P R C V A S E M E T O D D R S E Q E S L 1257
Db 1031 H O D - Q O C P E M V I I G O P A S O V C T K Y I D S E G I S Q H A M P C T I S Y P S Q - - - - - 1078
Qy 1258 K K E D E V W L K V C F N R P G E A R A I F I L T T D G L V P G E H O Q P V T L Y L T D V R G S N H S L G T Y G L S 1317
Db 1079 L A Q T T W L A Y S Q P V A A V I V H L Y T D G Y Y G D Q E T I S V Q L D T T X O S H D L G L A V L S 1138
Qy 1318 C Q H N P L I N V T H Q N V L F H T T S V L N F S S P R V G I S A V A L T R S S R I G L S A P S N C I S E D G 1377
Db 1139 C R N N P L I I P V V H D L S Q P F Y S A Q V R V S F S P L A I S G V A L R S P D N D P V L S S C - O R G E T 1197
Qy 1378 Q M H Q G S C I H R P C G K D S C P S L L D A D V N C T S I - - - - - G P L M K A I T C O G S F A L Q A S 1433
Db 1198 Y P R A B S C V H P A C E K T D - C P E L A V E N A S - L N C S S S P R Y H G - - - - - A O C T V S C R T G Y V I Q I R R 1252
Qy 1434 G O Y I R P M Q - - K E I L L T C S S G H M D Q N S C L P V D C G V P D S I V N Y A N S C E G T F L R C S I 1491
Db 1253 D B E L I S Q T G P S V T Y C T E G K N K O V A C E P V D C S I F D H Q V A A S T S C B E G T T F S Q C S F 1312
Qy 1492 S C V P A K L O G L S F W L T C L E D G L M S L P E V Y C K L E C A P R I I L A N L L P H C L O D N H D V G T I 1551
Db 1313 O C H N P A Q L K G N N S L L T C M E D G L S P P E A L C E L M C L A P P V P N A D L T A C R E K H K Y G S F 1372
Qy 1552 C K Y E C P R Y V A S A G K V A N K L K T O C L E B G I W E G S C I P V C E P P P R P E B E M Y C T I N G 1611
Db 1373 C K Y C K P G H V P E S S R - K S K R A F K T Q C T O D G S W O G A C A V P V C D P P P F H E L Y C C T I N G 1431
Qy 1612 F S L D S O C V L N C - - - - - N O E R E K L P I L C T E G L W T O F K L C E N I Q G C P P P S E L N S - V E Y 1665
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Db 1432 P O F N S E C R I K C E D S D A S O G L A G S V I H C R D K T G M N S F H V C O E M Q O C - S V P N E L N S L K L 1490
Qy 1666 K C E O G Y G I G A V S P L C V I P P S P V N L P E N I T A D L E H M E P K Y O S I Y T G R O M H P D V 1725
Db 1491 O C P D E Y A I G S E C A T S C L O H N S E I I L P M N V T Y R D I P H M L N P T R V R V V T A G L K M Y P H A 1550
Qy 1726 L V H C I O S C E P O A D M C D T I N N R A Y C H Y D G D C S S T L S S K V I P P A D C D D - E C T C R D 1784
Db 1551 L I H C Y K C E P F M G D Y C A I N N R A C N Y D G D C C T S Y K T K V T F P P S C D L O S D C A C R D 1610
Qy 1785 P R A E E N 1790
Db 1611 P O A E H 1616

RESULT 2
US-10-453-372-194
; Sequence 194, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Aisobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroseqList version 0.1
; SEQ ID NO 194
; LENGTH: 3568
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-194

Query Match 3.4%; Score 332.5; DB 6; Length 3568;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

286 A P T V A M Y P E G G O N N P A I I A G V F D N C S H T - - - V S D - K G M A L G I R S K D K G R D A R F F S 341
1447 A L T C F M M K S D M N Y G P T I S Y A V N G S D N T L L L D Y G M V L Y V - N G R E K - - - - - 1495
342 L C T D R V K K A T I I S R R I O P G W T H V A T Y - - D G H M A L Y V D - - - - - G T O V A S S I D Q 391
1496 - - - - - T T N C P S V N D G M H H I A I T W S T G A M R V Y I N G E L S D G T G I S I G A L P G 1544
392 S G P L N S P F W A S C R S I L L G D S S E D G H Y P R - - - - - G H L G T V F M S T A L - P O S H P O H S S O H 444
1545 G G - - - - - A L V L G E Q D K G E G R P A E S F V G S I S Q L M Y D V L S P O - - - Q V K S L A 1590
445 S S G E B E A T D V L T A S F E P V N T E W P F R - - - - - D E K - - - - - Y P R L - - - - - 478
1591 T S C P E L S K A N V L A - - - - - W P D F L S G I V G K V I D S K S I F C S D C P R L G S G V P H L R T A S 1642
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QY	479	EYLO	-----GF-----	-----BEP-----	EILSPLOPL	-----	498
Db	1643	EDLKQSKNVL	FCBEPFOLVGNPVOYCLANOGOWTOLP	PLPCEIRICRGVPPLENHGSAD			1702
QY	499	--CGQTV--	CDNVELISQNGWYPLRGKVIYRYOVVNICDEGLNPIYSEBOILQHEA				553
Db	1703	FVAGSVTVYQCN	-----NBYILLGDSRM-----	-----FCTDNGSMNGVSPBCLDVDECA			1744
QY	554	LNBAFSRINIS	QOLSVHOYVHNSTLRRVVLVNCBPSKIGN-DHC-DP-ECE--	HPLTGY			607
Db	1748	VGSDCSEH	-----ASCINVDGS-----	YICSCPVTYGDGKNCAEPIKCAKPAKPNENGH			1796
QY	608	DGGDCRLQG	-----RCYSNRRDGLCHNEC-----	NNMINDPDDGDCDQVADYKTC			656
Db	1797	SSGEIYTVGA	EYTFSCQBOGYQLMGVTKITCLESSEGMNHLI	-----PYKAV--SC			1844
QY	657	FDPDPKKAUYS	VKELKEALQNSTHPINITYPASVREDLGAATWPMKDAVTHLGIV				716
Db	1845	GKPAIPENG	-----CIEELATFGSKVTRYRCKKGYTLAGDESSCLANSSHSDP	-----V			1896
QY	717	LSPAYYGMG	HTDITMIEVGHVGLDYHVFKGVSERESCNDRCKETVPSEMTGDLCADTA				775
Db	1897	CEPVKCSPE	MINN-----GKX-ILSGTLTSTASYSC-DIGYSLQGPSTIECTAS				1945
QY	776	-----PTYS	ELCREPEPTSDTC-----GTRPRGAPFTYMSYTDNDCTDNFTPNQVA				824
Db	1946	GIMDRAPACH	LVFCBEPRAIKDAVITGNFT-----FRMTVYVT-----	CKEGYTLGLD			1996
QY	825	RMHCVLIDL	VYOOWTESRK-----PTPIRIPMYIGQTNKSLTJHMLPRISGVYYDASGLC				881
Db	1997	TIECLAD	-----GKMSKSDQCLAVSCDEPPIVDHASP--TAH-----	HLPGDIA			2040
QY	882	GACTEDGT	ROYVHTASRRVCDSSSGVYTPBEAAGPPD-VQOPCE--PSILOAMSPEVALY				938
Db	2041	FYVCSDG	-----YSLADNSQLCLCMQKGVVPPREGDOMPRCINHPCEKPSVS-----	Y			2088
QY	939	HMMNTVPC	PTGCSLIELLPQHVPQADTJTLTWTSFMESSOVLPTDEILLE	-----NK			991
Db	2089	SI	-----LESYSKAKFAAGS-----VVSFKMEGFVL-NTSAKICMRGQWNP				2131
QY	992	ESVHLGLD	TFCDJPLTIKLHVDGVSQVKTYPDERI	-----EIDALLTS			1038
Db	2132	SPKSIQCI	PVRCGEPSI--MNGVAGSN-YSGAMAVASCNKGYIKGEKSTCEATG				2187
QY	1039	QPHSPIC	SGCRPRVQVLDRPPFASGLVUVVTHSHRKTDVENVTPGOWYQVLABAGE				1098
Db	2188	QMSPIPI	CHPV-----SCGEPKXENG--LEHTTGRI	FSEVNYQCNPG			2231
QY	1099	LGEASPP	-----NHING-APY-----CG-----	DGKVSSEIAGECDGD			1132
Db	2232	YKSGVSP	VFCQARHNHMSBPLMCPVLDQCKPPIQNGFMKGNFVGSVVOFCNMGY				2291
QY	1133	LVSQDGS	KVLEBEGFPCVGEPSLCTYMBDGCIEPPE	-----RKTSYDGC			1180
Db	2292	ELVWDS	-----SWTQKSGKMNKSNPK-----CMAPKCEPRLLENQULIKELTTEVGG				2340
QY	1181	IYT	-----PKGYL-----DOMATRAYSHEDKKKQCVSLVTGEBPHSLICTSHPD				1225
Db	2341	VVTTSCKE	GNVLQOBSVYLCLPSQW-----NDSPVCKTIVLCTPP--LISFGVP				2389
QY	1226	LPN	-----HRPLTGMFPVCAAS-----ENETODDRSEOPESGLKKEDEVW--	LKVCENRGEA			1275
Db	2390	IPSSALH	FGSVTKVXSCVGGFPLRQNST-----TLQOPDQTMSSPLPEC-----				2432
QY	1276	RAIFITL	TDGLVGEHOOP-TVTLVYLTDVNGSHSLGTGLSCQHN-PLIINYT--	H			1329
Db	2433	-----	VEPECQPEEIRENGIIIDVQGLAY-LSTALYTCKPGEIVAGNTTLTGE				2479
QY	1330	HONVLF	PHNTTSLVNLNFPSPRGVIGIAVVALRTSRIGLAPNSCIGEDGQNHQGS--	CI			1386
Db	2480	NGHMLG	KPTCKALIECLPKYKILNGKTSYTDLHYGQVYVSC--ANGFRLEGSAJTL				2536

QY	1387	HRPCGXKD-SCPSLLLDHADVNTSTSGP-----GIMKCA-----ITCGRPALOASS	1433
Db	2537	E-IGMDVDVAPs-----CNAIHDSQPILENGVEGADSYXAIITYSCEPGRQVAGHA	2589
QY	1434	GQYRPMOKELLTCSSGHHQDNV-SCLPYDCGVP-----DPS	1470
Db	2590	MQ-----TCBESGWSSTSLPTCMPIDCGLRPHIDEGDCTKLDKDDGQYFEQEDDM	2638
QY	1471	LVNY-----ANFSCSEBGT-----FL-KRCSISCVBPAXIGUSPWLTCL	1509
Db	2639	EVLPTVTHPRPHLGAVAKTMENTKESPATISSNFLTWTMSYTCNPGYELLG-NPVLICQ	2677
QY	1510	EDGLMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICTKEBCKGYVAESAEG	1568
Db	2698	EDGTWNSAPSISISIECDLPTAENGFLRFTET-----SNGSNAVQYCKRGHILAGSD--	2750
QY	1569	KVRNKLKIKIOCBEGITWEGS--CIPVCGPPPPVPEG-----MYECTNGFS	1613
Db	2751	-----LRL-CLENRRKKSASPCEALSCCKPPVNMGSIKGSNTYVLSTLYEECDPGY-	2802
QY	1614	LDSQCVLNCQOREKPLPILCTKGLWTQBFKLCENLOGECPPPESELN-----	1661
Db	2803	-----VANGERR-----TCQDDKMDDEDPIC--LPVDCSSPPVANSNGVREGDEYTFOK	2850
QY	1662	SVEYKEQGY-----GIGAVCSPL-CVILPSPDPVMLPENITADTLLEHW	1703
Db	2851	EIEYTCNEGFLLEGANSRVCLANGSWGATPPDCVPVRCATPP-----QLANGVTGGLDYGF	2906
QY	1704	MEPRK-----VQSLVTCGRGRQWHDPPVLYNHCIOGCEP	1735
Db	2907	MKEVTHHCHEGYLLHGAPKLTCCSDGNDAE-----IPUCKP	2943

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Query Match      3.4%; Score 332.5; DB 6; Length 3570;
US-10-453-372-178
RESULT 3
US-10-453-372-178
; Sequence 178, Application US/10453372
; Publication No. US2006000323AI
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 178
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens

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; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: Cureseqlet version 0.1
; SEQ ID NO 196
; LENGTH: 3570
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-453-372-196

Query Match      3.44; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.74; Pred. No. 3,7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY 286 APTVEMAVKREGQNNPATIAGVFNDCSHT---VSD-KGMALGIRSGKDKGRDAPFFS 341
DB 1449 ALTCTFMKSSDDMNVTGPISYAVDNGSDTLLTLTDYNGWVLYV-NGREK----- 1497
QY 342 LCTDRVKKATILISHRYQPGTWTVAATY--DGRHMLYVD-----GTQVASSLDQ 391
DB 1498 -----ITNCPDVNDGRWHHAIWTSTGAMRYINGELSDGTGSLGKAIPG 1546
QY 392 SGFLNPFPMASCRLLLGDSSEGHYFR-----GHILGLVFWSTAL--PQSHFOHSGH 444
DB 1547 GG-----ALVIGGEQDKKGGFNPABSFVGSISQINLMYVLSFO---QYKSLA 1592
QY 445 SSGEEBATDLVLASFEPTVTEWVPR-----DEK-----YPRL----- 478
DB 1593 TSCPEELSKGNVLA-----WPDFLISGVKVKIDSKSIFCSDCPRLGGSVPHLRITAS 1644
QY 479 EVLQ-----GF-----BEBP--ELSLPLPL----- 498
DB 1645 EDLKPGSKVNLFCPEPQVLGNPVOYCLANGQWTOPLPHCERIRCCVPPLENGFHSAD 1704
QY 499 --CGQTV--CDNVELISQYNGYWPRLGKVKIRYQVNICDDEGLNPIVSEBOIRLOHEA 553
DB 1705 FVAGSTVTVQCN-----NGTYLLGDSRM-----FCTDNGSMNGVSPSCLDVDECA 1749
QY 554 LNEAFGRYINISWQLSVHOVHNSTLRHRVVLVNCPEKIGN-DHC-DP-BCE--HPLTGY 607
DB 1750 VQSDGSEH-----ASCLANDGS-----YICSCVPPYTGDKKCAPIKCKAPGENGH 1798
QY 608 DGGDCRLQG---RCYSMNRDGLCHVEC---NNMLNDFDDGCCDPOVADVAKTC 656
DB 1799 SSGEITVVAEVTFSCEGQYQLMGVTKITCLBSGEMNHLI-----PYCKAV--SC 1846
QY 657 PPDSFKRAYMSYKELKEALQLNSTHFLNIYFASSVREDLAGAATPMDKDAVTHLGIV 716
DB 1847 GKRALPENG-CIEELAFTFGSKVYTRCKNGYTLADKSSCLANSSWSHSP-----V 1898
QY 717 LSPAYGMPGHTDTHIEVGHVGLYHVFKEGVERESCNDPCKEYTPSMETGLDCAIT 775
DB 1899 CEPVACSSPENINN-----GKY-ILSGLYLSTASYSC-DTGYSLQGSIIICITAS 1947
QY 776 -----PRPKSELCHPEPPTDTC---GTRFPGAPFTNWSYTDNCTDNFTENOVA 824
DB 1948 GIMDRAPPACHLVFCSEPPAIKDAVITGNNFT-----FRNTVTVY--CKEGYTLAGD 1998
QY 825 RMHCYLDIVYQGWTEBKR---PRPIPIPMVIGQTKSLTIHLPLISGVVVDRAAGSIC 881
DB 1999 TIECLAD---GKMSRSDQCLAVSCDEPPIVDHASEP-TAH-----RLFGDIA 2042
QY 882 GACTEDGTFRQYVHTTASRVCDSGYTPPEEAVGPPD--VDQCE--PSIQAMSPVHLX 938
DB 2043 FYVCSG-----YSLADNSQLCLNAGQKWPPEBQDMPRCIAHCEKPSVY-----Y 2090
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QY 939 HMMATVPCPTBGCSLELFOHPVQADTLTLMTWSPFMESQVLFDEILLE-----NK 991
DB 2091 SI-----LSVSKAKAPAGS-----VSFCMBGSEFVL-NTSAKIECMRGGMNP 2133
QY 992 BSVHLGRLDTFCDIPLLTIKLHVDGKVGKVTYFDERI-----EIDAAILTS 1038
DB 2134 SPMSIGCIPVRCGEPSI---NMGVASGSN-YSGAMVAVSCKNGFYINKEKSTCEATG 2189
QY 1039 QPHSPICSGRPVRYVLADPPASGLPVVYTHSHKFTDVEVTPQOMTQYOVLABAGE 1098
DB 2190 QWSSPIPT-CHPV-----SCGEPKVENGF-----LEHTTGRIFESFERYOCNPG 2233
QY 1099 LGEASPL-----NHIHG-APV-----CG-----DQKVSRLGEEDDGD 1132
DB 2234 YKSVSPVAVCOANRHHSEBPLMCPVLDGKRPPIONGPMKGENFVSGKVQFCNEG 2293
QY 1133 LVSGDCSKVCELEBGFNCGVEPSLICYMEGDGICEPFE-----RTSYIVDCG 1180
DB 2294 ELVGDG-SWTCQSGKMKKSNPK-----CMFACRPPPLENQLVLKELTTEVG 2342
QY 1181 IYT--PKGYL-----DQMATRAYSHEDKKCPVSLVGEPSLICTSYHPD 1225
DB 2343 VTFPSCKEGHVLQGFVLKCLPSQW-----NDSFPVCKIVLCTPP--LISFGVP 2391
QY 1226 LPP---HRPLTGMFPVVA-----ENETODRSRQPSGLKKEDEVW---LKVCPNRPGEA 1275
DB 2392 IPSALHFGSTVYKSCVGGFFLRGNST-----TLQDPGTWSSSPREC----- 2434
QY 1276 RAIFIFLITDGLVPGEHOOP-FVTLVLTVDVRSNHSILGYTGSQCN-PLIIVT---H 1329
DB 2435 -----VPVCPPEBIPNGIIVDQGLAY-LSTALTYCKGFEIVNGTTLTLCGE 2481
QY 1330 HONVLFPHHTSVLNFSPRVGISAVALRTSSRIGLSAPSNCISEDEGNNQOS---CI 1386
DB 2482 NGHWLGKPTCKAIECLKPEKILNGKFSYTDIHYQGTLYSC---NRGRLEBPSALTL 2538
QY 1387 HRPCKQD-SCPSLLIDHADVNCTISGP---GLMKCA-----ITCQGFALQAS 1433
DB 2539 E--TGDMDVDAPS---CNAIHCDSPQPIENGFEAGADYSYGAIIIVSCFPQVAGHA 2591
QY 1434 GQYIRPMQKEILLTSSGSHMDNV--SCLPVDCGP-----DPS 1470
DB 2592 MQ-----TEESGMSSSIPCMFIDGCLPRHIDFGCTKADQGFBEQEDMM 2640
QY 1471 LVNY-----ANFSCSEGTK-----FL--KRCSISCVPRAKLQSLPWLTL 1509
DB 2641 EYVYTPHPRHILGAVAKTMENTKSPATHSSNFIYGMVASTCNDPGYLLG--NPVLICQ 2699
QY 1510 EDGLMSLEPVYC-KLECDAPPIILNANLILPHCLDNHDVGTICKYECKRGYVAESAEG 1568
DB 2700 EDGTWNGASPCISIECDIPTAPENGFLRFTET-----SMGSAVQSCXPHIILASD-- 2752
QY 1569 KYRANKLTKICQLEGGIWEQGS--CIPVYCEPPRPPEB-----MYCTNGS 1613
DB 2753 -----LRL-CLENRMSGASPRCAISCKKNPWNNGSIKSNNTYIYSLTYEBCDPG- 2804
QY 1614 LDSQCLANQOREKXLPILCTKEGLMTQEFKCEMLQGBCPPPSBLN----- 1661
DB 2805 -----VLNTERK-----TCQDDKMWDEDEPLC--IPVDCSSPVSANGQVGEDETFPK 2852
QY 1662 SVRYKCEQY-----GIGAVCSPL-CVIPSDDPMLPENITADTLEHM 1703
DB 2853 EIEYTCNEGFLEGARSRVCLANGMSGATPPCVPVRCATPP-----QLANGVTBGLDYGF 2908
QY 1704 MEPPV-----VQSIYCTGRKQHPDPVVLVHCLOSCEP 1735
DB 2909 MKEVTFHCHGYILHGAPKLTQOSDGNWDAR-----IFLCKP 2945

RESULT 5
US-10-453-372-198
; Sequence 198, Application US/1045372
; Publication No. US20060003323A1
```

GENERAL INFORMATION:  
APPLICANT: Alebrook, et al.  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
FILE REFERENCE: 21402-589 A  
CURRENT APPLICATION NUMBER: US/10/453,372  
CURRENT FILING DATE: 2003-06-03  
PRIOR APPLICATION NUMBER: 09/789390  
PRIOR FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 60/185967  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: 09/823187  
PRIOR FILING DATE: 2001-03-29  
PRIOR APPLICATION NUMBER: 60/195792  
PRIOR FILING DATE: 2000-03-10  
PRIOR APPLICATION NUMBER: 09/839446  
PRIOR FILING DATE: 2001-03-19  
PRIOR APPLICATION NUMBER: 60/199476  
PRIOR FILING DATE: 2000-03-25  
PRIOR APPLICATION NUMBER: 09/863776  
PRIOR FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: 60/208263  
PRIOR FILING DATE: 2000-05-31  
PRIOR APPLICATION NUMBER: 09/939398  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/227800  
PRIOR FILING DATE: 2000-08-25  
Remaining Prior Application data removed - See File Wrapper or PAM.  
NUMBER OF SEQ ID NOS: 1609  
SOFTWARE: CuroSeqlet version 0.1  
SEQ ID NO 198  
LENGTH: 3570  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-453-372-198

Query Match 3.4%; Score 332.5; DB 6; Length 3570;  
Best Local Similarity 19.7%; Pred. No. 3,7e-17;  
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

286 APTFAVAVKPEGQNNPAILIAGVFNCSHT--VSD-KGMALGIRSGKDKKRDARFPFS 341  
1449 ALTCTFMKSSDDMNQGTPISYAVDNGSDNTLLTLDYNGWVLYV-NGREK----- 1497  
342 LCTDRKAKATILISHRYQGTTHVAATY--DGRMALVVD-----GTQVASSLDQ 391  
1498 -----ITNCPDVNDGRWHIAITWTSTGAMRVYINELSDGGTGLSIGKALIFG 1546  
392 SGLNPFMASCRLLLGDSSEGHYFR-----GHLGTLVFWSTAL--POSHFOHSSOH 444  
1547 GG-----ALVLGQEQDKKGGFNPAESFVGSISQNLMDVYLSFQ---QVKSILA 1592  
445 SSGEEBATDLVLTASEPVTWVPR-----DEK-----YPRL----- 478  
1593 TSCPELSKGNVLA-----WPDFLGIQVKIKIDSKIFCSDCPRLGGSVPHLRITAS 1644  
479 EVLQ-----GF-----EPEP-----ELTSLQRPRL----- 498  
1645 EDLKPGSKVNLFCPEPQVLGNPVQYCLNQGQWTPQLPHCERLRCCGVPPLENGFSHADD 1704  
499 ---CGQTV---CDNVELISQYNGYWPRLGKEKVIYYQVNLICDDEGLNPVISEEOIRLOHEA 553  
1705 FYAGSTVTVQCN-----NGYVLLGDSRM-----FCTDNGSNWNGVSPSLDVLVDECA 1749  
554 LNEAFSRYNISWQLSVHQVNSTLRHRVVLVNPCEPSKIGN-DHC-DP-ECE--HPLTGY 607  
1750 VGSDCSEH-----ASCINVDGS-----YICSCVPYTGDKGKACAPIKCKAPENBENG 1798  
608 DGGDCQLQG-----RCYSMKRRDGLCHVEC-----NMMLNDPDDGDCDPOVADVRKTC 656  
1799 SSGEIVTGAEVTFSCQEGYQLMGVTKITLESGEWNLH-----PYCKAV--SC 1846  
657 FDDSPKRAVMSVKELEKALQLNSTHFLNIYFASSVREDLAAGATWPDKDAVTHLGLTY 716

1847 GKPAIPENG--CIEELAFPGSKVTYRCNKGYTLLAGDKESSCLANSMWSHSP-----V 1898  
717 LSPAYGMGHTDMTHIEGVHVLGLYHVPKGVSEESCNDDPKETVPSMETDLCADTA- 775  
1899 CEPVACSSPENINN-----GKY-LISGLTYLSTASYS-C-DGYSLQGSIILECTIAS 1947  
776 -----PTPKSELGREPEPTSDTC-----GTFRFGCAPPTNMSYTDNCTDNFTPNQVA 824  
1948 GIWDARAPACHLVFCEGPAPALDAVITGNFI-----FRNVVTY---CKEGYTLAGLD 1998  
825 RMHCYLDLVYQWTESRK--PTPIPPMVIQGTNKSILTIHMLPISGVVYDRASGSLC 881  
1999 TIECLAD--GKWSRSSDQCCLAVSCDEPPIVDHASPE-TAH-----RLFGDIA 2042  
882 GACTEDGTROVYVTHASSRVCDSGVTWPEEAVPRD-VDPCE--PSLOAMSPEVHY 938  
2043 FYCCSDG-----YSLADNSQLCNAQSKVPPGQDMPRCIAHCEPSPVS-----Y 2090  
939 HNMNTVPCPTGCSLELFGHPVQADTLTMTSFFMESSQVLPTEILLE-----NK 991  
2091 SI-----LESVKAFPAAGS-----VYFKCMGFVL-NTSAKIECMRGQNNP 2133  
992 ESNVLGPILOTFCIDPLTIKLVADGKVGKVTYFDERI-----EIDALLTS 1038  
2134 SPMSIQCIIVRCGEPPSI---MNGYASGSN-YSGAMVAVYSCNKGFIYIKGKKSICEATG 2189  
1039 QHSPILCSGCRVVRQVLRDPPFASGLPVVYVTHSRKFTDVVTGQWYQVYVLBAGE 1098  
2190 QWSSPPIPT-CHPV-----SCGEPPKENG-LEHTTGRIFESVRVYQCNFG 2233  
1099 LGEASPPIL-----NHIHG-APY-----CG-----DGKYSERLGEBCDDG 1132  
2234 YKSVGSPVIVCOANRHMHSBPLMCVPLDCGPRPIQNGFMKGMEFVGSXVQFPENBEY 2293  
2294 ELVGDG-SWTCQKSGKMNKSNPK-----CMPACRPPRLLENQVLKELTTEVG 2342  
1181 IYT--PKGYL-----DMATRAYSHEDKKCPVSLYTGEPHSLICSYNHD 1225  
2343 VVTFSCKEGHVLAQGSVLKCLPSQW-----NNSFPVCKVLCTPP--LISFGVP 2391  
1226 LPN--HREPLTMPCFVAS-----ENETODRSEQEGSLKKEDEV--LKYCFNRPGA 1275  
2392 IPSALHBSSTYKXGCVGFPLRGNST-----TLCQDGTWSSPLPBC----- 2434  
1276 RAIFLFTLTDLVPGEHQRP-TVTLVLDVDRGNSHSLGYGLSCQHN-PLIINVY--H 1329  
2435 -----VPECPQPEIPINGIIDVQGLAY-LSTALYTCRKGPELVGNTTLLCGE 2481  
1330 HONVLFHHTSVVLNFPSSPRVGI SAVALRTSRIGLSAPSNCISDEQGNHGGOS--CI 1386  
2482 NQHMLGKPTCKAIECLKKEILNGFSYTDLHYQGTVYSC--NRGRLEGPSALYTL 2538  
1387 HRPCKOD--SCPSLLDHADVNTSICG--GLMCA-----ITCORGFALQAS 1433  
2539 E--TGDMDVDABS-----CNALHCDSPPIENGFPVFGADYSVGAIIYISCPFGVQAGHA 2591  
1434 GQYIRPMQKEILLTSSGHWQNV-SCLPVDCVP-----DPS 1470  
2592 MQ-----TEESGMSSSIPTCWPIDCGLPPHIDFGDCTKLKDDQGYFEQEDDM 2640  
1471 LVNY-----ANFSCSEGT-----FL--KRCGISVPRPALQGLSPWLTJL 1509  
2641 EVPYVTPHPPYHIGVAKTWENTKSPATHSNFIYGTWVSATYCNPGYLLG-NPVLIQ 2699  
1510 EDGLMSLEPVYC-KLECDAPPIITLNNALLPRLCDNDHNDVGTICKYCKECPGYVVASAG 1568  
2700 EDGTWNGASPCISITIEDLPITAPENGFLRFET-----SMGSAVOYSCRGHIIAGSD-- 2752  
1569 KYRNLKLIKQCLEGGIMEQS--CIYPVCEPPPVFEG-----MYECTNGFS 1613  
2753 -----LRL-CLENRKMGSASPRCEALISCKKENPVNNGSIKGSNTYTLSTLYECDPGY- 2804

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QY 1614 LDSQCVLNCNOREKTLPLCTKREGLMQEPFLCENLQGECEPPPSSELN----- 1661
Db 2805 -----VLNGTER-----TCODDKNWDEDEPIC--IPVDCSSPVSAAGVGRDEYTFQK 2852
QY 1662 SVEYKCEQGY-----GIGAVCSPL-CVIPSPPVMLPENITADTLEHW 1703
Db 2853 EIEYCNNGFLLEGARSVCLANGSWSGATDCCVVRKATP-----QLANVTGSLDYGF 2908
QY 1704 MEPEV-----VQSVCTGRRQWHPDPVLVHCIOSECP 1735
Db 2909 MKEVTFHCHEGYLLHGAPKLTQGSQDNWDA-----IPLCKP 2945

RESULT 6
US-10-453-372-200
; Sequence 200, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alcobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CurSeqdist version 0.1
; SEQ ID NO 200
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-200

Query Match 3.4%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

QY 286 AFTVEAWKPEGGONPAIIINGVDFNCSHT---VSD-KGVALGIRSGDKKRRARFFS 341
Db 1449 ALITCFWKKSSDDMMYGTPISYAVDNGSDNTLLILDTNGWLVLY-NGREK----- 1497
QY 342 LCTDRVVKATILLISHSRQPGTWTHTVATY--DSRHNALVYD-----GTQVASSLDQ 391
Db 1498 -----ITNCPSPVNDGRMHNIALTWTSTGAMRVYINGSLDSGGTSLGKXALPG 1546
QY 392 SGPLNSPMA SCRSLLILGDSSEDOGHYR-----GHLGTLVFWSTAL-PSHFQHSQH 444
Db 1547 GG-----ALVIGQEQDDKKGEGFNPAESFVGSISQLNLDVYLSPG---QVKSIA 1592
QY 445 SSGBEANTDVLVTSFEPVTEWVPR-----DEK-----YRRL----- 478
Db 1593 TSCPEELSKGNVLA-----WDPFLSGIVGKVKIKDSKIFGSCDCPRLGGSVPHLRTAS 1644

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QY	479	VTLO-----	GF-----	EPF-----	ELISLOPPL-----	498
Db	1645	EDLKFGSKVNLFCBEGFOLVGNPVOYCLNCGOMTOLPHCRIRKCVBPPLNENHNSAD				1704
QY	499	--CGQTV---	CDNVELLSQVNGVPLRKEKIRYQVONI	CDDEGLNPVSEQIRLOHRA	553	
Db	1705	FYASGTVTYQCN-----	NGYLLDGBSRN-----	FCIDNDSMNVSPLCDVDECA	1749	
QY	554	LNEAFSRYNISWQLSVHOYNSTLRHRVVLVNCBPSKIGN-DHC-DP-ECF---HPLTGY	607			
Db	1750	VGSDCSEH-----	ASCLNVDS-----	YICSCVPYPGDCKNAEPICKACAPGNBNGH	1798	
QY	608	DGDCORLQG-----	RCYSMNRDGLCHVEC-----	NNMLNDPFDGCCDDQVADYKTC	656	
Db	1799	SSGEIYTVGAEVTTSCQEGYQVMGTKTCLESEGBMNL-----	BYCAV--SC	1846		
QY	657	FDPDSPKRAVSVLEKEALQNLNTHFLINTIFASVBEIDLGAATPWXDAVTHLGIIV	716			
Db	1847	GKPAIPENG--	CIBELATPFSKYTYRNCNKYTLAGDESSCLANSSSHSP-----	V	1898	
QY	717	LSPAIVYMGHTDTMIHEVHVLGLYHFKVYSERESCNDCKETVPBMTGDLCAUTA-	775			
Db	1899	CEPVKCSSPENINN-----	GKY-ILSGLYLSTASYS-C	DTGYSLQSPSIIECTAS	1947	
QY	776	-----	PTPSELCREPERTSDPC-----	GTRPGCAFPTMYMTYTDNCIDNTPTNOVA	824	
Db	1948	GIMDRAPACHLVPCGEPPAIKADVITGNPT-----	FRNTYTYT-----	CKEGYTLGLD	1998	
QY	825	RMHCYLDLVYOQWRESRK-----	PTDPIPIPMVIGOTNKSILTHMLPISGVVYDASGSLC	881		
Db	1999	TIECLAD--	GKMSRSDQCLAVSCDEPPIVDHASP-THN-----	RLGDLA	2042	
QY	882	GACTEDGTFRQYVTASSRRVCDSSGYTPEAVAPPD-VDQPC-	PSLOAMSPEVHLY	938		
Db	2043	FYVCSDG-----	YSLADNSQLCCNAQKVMPPREGDMRCIAHFCEKPSVS-	Y	2090	
QY	939	HMMNTVFCPTGCSLELLFQHPVADLITLMTYSFFMBSSQVLPDTELLE-----	NK	991		
Db	2091	SI-----	LESVSKAKFAAGS-----	VASFCKMEGVL-NTSAKIBCKMGQWNP	2133	
QY	992	ESVHLGLPDRFCDIPLTIKLHVDKASGVKYTERDERI-----	EIDALLTS	1038		
Db	2134	SPMSIQCIPVRCGPPSI--	MNYSAGSN-YSGAMVAYSCKNGFYIKGKSKTCEATG	2188		
QY	1039	QPHSPILCSGCRPYEYVULRBPFAAGLVPVVTSHRKRFTDVEVTPGQWYQYVLAEAGE	1098			
Db	2190	QMSPIPIPT-CHPV-----	SCGEPKVENP-----	LEHTTGRIFSEVARYQCNPG	2233	
QY	1099	LGASAPPL-----	NHNG-APY-----	CG-----	DKYSERLGEBCDDGD	1132
Db	2234	YKSVGSPVFCQANRHMHSBPLCVPDCKPPIQNGFMKGHFEVGSKYQFCNCG	2293			
QY	1133	LVSDDGSKVCELBEGNVCBEPBLCTMYBEDGLCEPPE-----	RKTSYDGC	1180		
Db	2294	ELVADS-SMTQKSGKMKNSPK-----	CMAPKCREPPLLENOLVLEKLTTEVG	2342		
QY	1181	IYT-----	PKGYL-----	DOMATRAYSHEDKKKCPVSLVTEPHSLICTSYHPD	1225	
Db	2343	VVTSSCKBGNHLOPSPVLKCLPQGW-----	NDSFPVCKIYVCTPPP-----	LISGVP	2391	
QY	1226	LPN--	HRPLTMFPVYAS-----	ENETODDRSEQBSLKKEDEVM--	LKVCNRPGEA	1275
Db	2392	IPSSALHFGSTVAKSCYGVGFRLRGNST-----	TLCQPDGTWSSPLREC-----	2434		
QY	1276	RAITIFLITDGLVGEHQOP-TYVILYLDVDRGSHSLGTGLSQGNH-PLIINT-----	H	1329		
Db	2435	-----	VEBECPOBEIIPNGIITDQGLAY-ISTALYTCCKPPELVGNITTLGCE	2481		
QY	1330	HONVLFHHTTSLVLLNFSPPRGVISAVALARTSSRIGLSAPNSCISEDGNHOGOS---	CI	1386		
Db	2482	NGHNLGKRPCKALCEUKPEILNGKRSYTDLHNGQVITYSC---	NGFRLGSSALTLCL	258		
QY	1387	HRPCGKOD-SCPSILLDHADVNTCSIGP--	GLMKA-----	ITCQGFALQASS	1433	

Db	2539	E--TJDMWVDAPS-----	CNAHCHSP	POP	IENGFEV	GADYST	GALITYS	CEP	GF	OV	A	2591																																									
Qy	1434	GQYIRPMQKEILLTSSGHMDQV--	SCLP	VD	CGV	-----						DPS 14707																																									
Db	2592	MQ-----	TCESG	MS	SI	TC	MP	ID	CG	L	PR	PH	LD	FG	CT	K	D	Q	G	F	E	E	D	M	26440																												
Qy	1471	LVNY-----	ANF	SC	SE	GT	-----	FL--	KR	CS	IS	CV	PA	K	O	G	L	S	W	L	T	C	L	1509																													
Db	2641	EV	P	Y	T	P	H	P	Y	H	G	A	V	A	K	T	E	M	T	K	E	S	P	A	T	H	S	N	F	L	G	T	M	V	S	Y	T	C	N	B	Y	E	L	L	G--	N	P	V	L	I	C	Q	26399
Qy	1510	ED	L	M	S	L	E	P	V	Y	C--	K	E	C	A	P	P	I	L	A	N	A	L	L	P	H	C	L	O	D	N	H	D	V	G	I	C	K	E	C	K	P	G	Y	A	E	S	A	E	G	1568		
Db	2700	ED	G	T	M	N	G	S	A	P	S	C	I	S	I	E	C	D	L	P	T	A	P	E	N	G	F	L	P	E	T	-----	S	M	G	S	A	N	G	S	C	K	P	G	H	I	L	A	G	S	D--	2752	
Qy	1569	KY	R	N	L	T	I	O	C	L	E	G	I	W	O	G	S--	C	I	P	V	C	E	P	P	P	V	E	G	-----	M	Y	E	C	T	N	F	S	1613														
Db	2753	----	L	B	--	C	L	E	N	R	K	M	G	S	A	P	R	C	A	I	C	K	K	P	M	M	N	S	I	K	S	N	T	Y	L	S	T	L	Y	E	C	D	P	G	--	2804							
Qy	1614	L	D	S	O	C	V	L	N	C	O	B	E	R	L	P	I	L	C	T	E	G	L	M	T	O	B	F	K	L	C	E	M	I	O	E	C	E	P	P	S	E	L	N--	1661								
Db	2805	----	V	L	N	G	T	E	R	-----	T	C	O	D	D	K	M	D	E	D	E	P	C--	I	P	D	C	S	F	P	V	S	A	N	G	O	R	G	B	E	Y	T	O	K	2855								
Qy	1662	S	V	E	Y	K	C	E	O	G	Y	-----	G	I	A	V	C	S	P	L--	C	V	I	P	S	D	P	V	M	L	P	E	N	I	T	A	D	T	L	E	H	M	1703										
Db	2853	E	I	E	Y	T	C	N	G	P	L	L	E	G	A	R	S	V	C	L	A	N	G	S	M	G	A	T	P	C	P	V	R	C	A	T	P	----	Q	L	A	N	G	T	B	E	L	D	Y	G	F	2908	
Qy	1704	M	E	P	V	C	-----	V	O	S	I	V	T	G	R	O	M	H	P	D	V	L	N	C	O	S	C	E	P	1735																							
Db	2909	M	K	E	V	F	H	C	E	G	Y	I	L	H	A	P	R	L	T	O	S	D	N	N	A	E	-----	I	P	L	C	P	2945																				

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QY 1181 YLT-----PGYU-----DOMATRAYSHEDKKKCPVSLYTGEPHSLICSYHPD 1225
Db 2343 VTFESCKSEHVLQGSFVLKCLPSSQOM-----NUSFPVCKVLCTPPP-----LISFVP 2391
QY 1226 LFN---HRPLTGMFPVCVAS---ENETODDRSEDEGSILKEDVW---LKVCNRPGEA 1275
Db 2392 IFSALHFGSTYKSCVCGFFLRGNST-----ILCQPDGTMSSPLPFC-----2434
QY 1276 RAIFLFLTTDGLVPEGHQOP-TVTLYLTDVGRGNSHSLGTYGISCOHN-PLIINVT---H 1329
Db 2435 -----VPEECQPEEIPNGIIDVQGLAY-LSTALYTKRGEIVANTTLTLCGE 2481
QY 1330 HONVLFHHTSVLWLFSSPRVGISAVALTSSRIGLSAPNSNISDEQONQOGS---CI 1386
Db 2482 NGHWLGKRPYTKAICLKPKETILNGKFSYTDLHYQYVYTS--NRGRLEGFPALTYCL 2538
QY 1387 HRPCKGKOD-SCPSLLLDHADVNVCTSIGP---GLMKCA-----ITCORGFPALQASS 1433
Db 2539 E--TGDMDVDAPS-----CNAIHCDSPQIENGFPVAGADYSGALIIYSCFPGFVAGHA 2591
QY 1434 GQYIRPMQKEILLTTSSGHWQNV-SCLPVDCGP-----DPS 1470
Db 2592 MQ-----TSESGWSSSIPTCMPIDGLRPHIDFGDCTKLKDQGYFEQEDMM 2640
QY 1471 LVNY-----ANFSCSEGTK-----FL--KRCGISCVPRAKLOGLSFWLTCL 1509
Db 2641 EVPYTPRPYHNLGAVAKTMENTKESPAITHSNFLYGMWSTYTCNPGYELLG-NVLLTCQ 2699
QY 1510 EDGLWLSLDEVYC-KLECDAPRIILNANLLRPHCLODNHVDGTTCKYECKPGYVYASABG 1568
Db 2700 EDGTMNGSAPSCISIECDLPTAPENGFLRFET-----SMSAVGYSCKPHILLAGSD-- 2752
QY 1569 KVRNKLKIICLEGSIWEQGS--CLPVVCEPPPPVFEQ-----MYECTNGFS 1613
Db 2753 ---LTL-CLENKMKWGSASPRCEAISCCKXPMFMSNIGSNYYTLSTLYECDPGY- 2804
QY 1614 LDQCVLNCNOERREKLPI LTCRKGMLMTOEFKLCENLQGECPPEPELN-----1661
Db 2805 ---VLNGTERR-----TCDDKXWDEDEPIC--IPVDCSPVYANGQYRGDEYTYQK 2852
QY 1662 SVEXKCEQGY-----GIGAVCSPL-CVIRPSPVWL PENITADTLEHW 1703
Db 2853 EIEYCNBGFILLEGARSRYCLANGSMGATPDYVRCATPP---QLANVTBGLDYGF 2908
QY 1704 MEPRK-----VQSIYCTGRQWHPDVLVHICQSCPEP 1735
Db 2909 MKEVTFHCHEGYILHGAPKLTCTQSDGNWDAR-----IPLCKP 2945

RESULT 8
US-10-453-372-206
; Sequence 206, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alsebrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776

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; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cursesqlst version 0.1
; SEQ ID NO 206
; LENGTH: 3570
; TYPE: prt
; ORGANISM: Homo sapiens
US-10-453-372-206

Query Match      3.4%; Score 332.5; DB 6; Length 3570;
Best Local Similarity 19.7%; Pred. No. 3.7e-17;
Matches 352; Conservative 210; Mismatches 602; Indels 619; Gaps 107;

OY      286 AFTYEAIVKPEGGGNNPAILAGVFDNCSTH--VSD-KGMALGIRSGDKKARDARFFFS 341
Db      1449 ALTCTFMKKSSDDNNYGTPISYAVDNGSDNTLLTLDYNGWLAYV-NGREK----- 1497

OY      342 LCTDRYVKATLILSHSKRYQPGTWHVAATY--DERHMLAYVD-----CTQYASSLIDQ 391
Db      1498 -----ITNCPFSVNDGRMHILAITWTSTGAMVRYINIGELSDGTGLSIGKAI PG 1546

OY      392 SGPLNSPFMASCRLILGGDSEEDGNYFR-----GHIGTLVFPSTAL--POSHFOHSQH 444
Db      1547 GG-----ALVIGQEDDKKGEGFNPAESVGSISQNLMDYLSFQ--QVKSILA 1592

OY      445 SSGEEBATDVLTAASFPPVTEWVFR-----DEK-----YPRLL----- 478
Db      1593 TSCPEELSKGNVLA-----WPDLSIGIVGKKIDSKISIFGSDCRLGSGVPHLRTAS 1644

OY      479 EVLQ-----GF-----EPBP--ELISPIQPL----- 498
Db      1645 EDLPGSKVMILFCEPFGQLVGNPVOYCLNQGOWTQPLPHCERIRCGVPPPLENGFHSAD 1704

OY      499 --CGQTV--CDNVELLISQYNGWVPLAGEKYIRQVNVNIDODEBLNPIVSEBQJRLQHEA 553
Db      1705 FYASGITVYQCN-----NGYLLLDSSKV-----FCTDNSMNGVSPSCLDVDECA 1749

OY      554 LNEAFSRKYNISWQLSVHQNSTLRHRLVNLNCEPSKIGN-DHC-DP-ECE--HPLTGY 607
Db      1750 VGSQSCSH-----ASCLNVDS-----YICSCVPRPTGSGKNCABEIKCKAPNPENGH 1798

OY      608 DGDGCRLOG-----RCYSMNRDGLCHVEC-----NNMLNDFPDGDCDPQVADVKTG 656
Db      1799 SSGEITVYTGAEVTFPSCQEGYQLMGVTKITCLSEGMNHLI-----PYCKAV--SC 1846

OY      657 FDDPSFPRATMSVTELKALQLNSTHRLNIYPASVAREDLAQAATWMDKDAYTHLGIV 716
Db      1847 GKPAIPENG--CIETELAFTEGSKVYRCKNGYTLAAGKESSCLANSSWSHSP-----V 1898

OY      717 LSPAYYMGPHGTHDIMEHGVHGLYVFFKVSFRESQNPCKEETVSMETGDCADTA- 775
Db      1899 CEPVKKSSPENINN-----GKY-ILSGGLTYLSTASISG-C-DTGISLQGPSTIICTAS 1947

OY      776 -----PTRKSELGREPEPTSDTC--GFTRPGAPFTNYSYTDNCTDNFTPNQVA 824
Db      1948 GIWDRAPACHLVFCGPRPAIKAVITGNMFT-----FNNVTYLT--CKEGYTLAGLD 1998

OY      825 RMHCYLDLVYQOMTESK--PTPIPIPEVYIGQTNKSLITLHMLPRLISGVVYDRASSGLC 881
Db      1999 TIECLAD--GKWSRSQQCLAVSCDEBPPIVDHASP--TAH-----RLFEDIA 2042

OY      882 GACTEDTPTFQYVHTASRRVCCSSGWTPEEAAVGPDP-VDQPC--PSLQAMSPEVHLV 938
Db      2043 FYIYCSDG-----YSLADNSQLCLNAGKQWVPEEGDMPRCIAHCEKRPVS-----Y 2090

OY      939 HMMNTVCPPTGEGSLELLFQHPVQADLTLLMTVTSFFNESQVLFDEILILE-----NK 991

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Db      2091  ST-----LESVSKAKFAAGS-----VVSFOMEGFVL-NTSAKIECKRGGMPP 2133
Qy      992  ESNVHGLPDLTFCDIPLITIKLHNDGKXSGKAVYTFDERI-----ETDALLIS 1038
Db      2134  SPMSIQCIVRCGEPSI---NMGVASGSN-YSFGMVAVYCNKGFYKGEKSTCEAG 2189
Qy      1039  OPHSPICSGCRPRYQVULNDPRPASGLPVVYVTHSHKFTDVEVTPCOMYOYVLAAGE 1098
Db      2190  QMSSPLEPT-CHPV-----SCOEPRPVENG-----LEHTTRISESERYQCNG 2233
Qy      1099  LGEASPL-----NHIG-APV-----CG-----DGKVSRLGECDGD 1132
Db      2234  YKSVGPFVVCQANRMHSESPLMCVLDCKRPPIONGPMKGENEVGSKVQFCNBEY 2293
Qy      1133  LVSGDCSKVCELEBEFNCVGEPSLCYMGEGDICEPFE-----RTSIVDGG 1180
Db      2294  ELVGDG-SWTCCKSGKMKNSPK-----CMPAKCPBPILLNOLVLELTTEVG 2342
Qy      1181  IYT---PKGYL-----DQMATRAYSSHEBKCCPVSGLVTEGPHSLICTSYHPD 1225
Db      2343  VTFSCKEGHVLOGPSVLKCLPSQOM-----NDSFPVCKIYLCITPP---LISFGVP 2391
Qy      1226  LPN---HRPLTGMPCVAS-----ENETODRSQBPESLKEDEVW---LKYCFNRPGA 1275
Db      2392  IPSALHFGSTVYKSCVGGFRLKNGST-----TLQPDGTWSSPLPEC----- 2434
Qy      1276  RAIFITLTDGLVGEHQDP-TYTLVLYTVRGSNHSGLTYGLSCQHN-PLIIVNT---H 1329
Db      2435  -----VPVECPQPEELPNGIIDVQGLAY-LSTALYLCCKGFELVNGTTLGSE 2481
Qy      1330  HONVLFHHTTSVLNFSPPVIGSAVALRTSRIGASAPNCSISEGQNHQGS---CI 1386
Db      2482  NGHWLGKRTCKAI ECLKPEKELNGKFSYTDLHYGQTVYSC---NRGFLBEPALTL 2538
Qy      1387  HRPCKQD-SCPSLLDHDVNVCTSIGP---GLMKCA-----ITCORGFALQAS 1433
Db      2539  E-TGMDVDABP-----CNAIHCDSPQPIENGFEVAGADYSGAILIYSPGFQVAGHA 2591
Qy      1434  GQYIRMOKEILITSSGHWDMNV-SCLPYDCVP-----DPS 1470
Db      2592  MQ-----TCESGWSSSIPTCMPIDCGLPHIDFGDCTKLKDQGYEQEDDM 2640
Qy      1471  LVNY-----ANFSCSEGRK-----FL-KKCSISCVPAKLOGLSPWLTC 1509
Db      2641  EBYVYTPHPRYHGAIAKTWENTKESPAHTSSNFLTGMVSYICNBYELLG-NPVLIQ 2699
Qy      1510  EDGLMSLPEVYC-KLECDAPPIILNANLLPHCLQDNHDVGTICKYCKRGYVVAESAB 1568
Db      2700  EGTWNGSAPSCISIECDLPTAPENGFLRTER-----SMGSAVOYSCRGHILASD-- 2752
Qy      1569  KVRANKLKIQCLEGGIWEQGS--CIYVCEPPPPVBEG-----MYECTNGS 1613
Db      2753  ---LRL-CLENRMGASAPRCEAISCCKPNPVNNGSIKGSNYTYLSTLYECCDPGY- 2804
Qy      1614  LDSQVLCNCOBEKLPILCTKEGLTQEBKLCENLOGECPPPPSELN----- 1661
Db      2805  ---VLNGTERA-----TCQDDKNWDEDEPTIC--IPVDCSSPPVANGOVREDYTFPK 2852
Qy      1662  SVEYKCEQGY-----GIGAVCSPL-CVLPSPDPVWL PENITADTLLEHM 1703
Db      2853  ELEYTNEGFLEGAARSVCLANGSWSGATPDCVPVRCATPP---QLANGVTEGLDYGE 2908
Qy      1704  MEVVK-----VQSTVCTGRROMHPDPVVLVHCIOGCEP 1735
Db      2909  MEVTFHCHEGYILHGAAPKLTQSDGNWDAE-----IPLCKP 2945

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RESULT 9
US-10-453-372-202
; Sequence 202, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:

```

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; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuiBaseGlist version 0.1
; SEQ ID NO 202
; LENGTH: 3570
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-202

Query Match      3.4%; Score 331.5; DB 6; Length 3570;
Best Local Similarity 20.0%; Pred. No. 4.4e-17;
Matches 354; Conservative 211; Mismatches 608; Indels 601; Gaps 107;

Qy      286  APTVEAWVREGGQNNPAILIAGVFNCSHT---VSD-KQMALGIRSGKDGKRDARFPFS 341
Db      1449  ALCTFPMKSSDDMMYGPRTIAYVNDGSDNTLLTLTDYNGMWLVV-NGREK----- 1497
Qy      342  LCTDRVKATILISHRYQGTWTVAATY--DGRHMLAYVD-----GTQVASSLDQ 391
Db      1498  -----ITNCPVNDGMRHHIATWTSTGAMRYLINGELSDGTGSLGAIKIG 1546
Qy      392  SGRPLNSPMACSRLLIGDSSDEGHYR-----GHCTLVFWSTAL-POSHFOHSGH 444
Db      1547  GG-----ALVLCQEOBKKEGFPNPAESFVGSISQLNIMDVLSPO---QVKSIA 1592
Qy      445  SSGEERATDVLTLASFEPTNTEWVPR-----DEK-----YPRL----- 478
Db      1593  TSCPEELSKGNVLA-----WPDFLSGITGVKVIDSKSITCSDCPRKLGSVPHLRTAS 1644
Qy      479  EYVLC-----GF-----BEP--BILSPLOPL----- 498
Db      1645  EDLKGSKNLPCBEQFVLVGNPVQCLNQGMTPRLPHRCERIRGCVPRPLENGFHSAD 1704
Qy      499  --CGQTY--CNVELISQYNGIWPRLRGEKVIROYVNICDEGLNPIYSEQIRLQHEA 553
Db      1705  FYAGSTVYQCN-----NGUYLLGDSRM-----FCTDNGSNWNGSPSCLDVDECA 1749
Qy      554  LNEAPSRNYISMQLSVHQVHNSTLHNRVVLVNCBPSKIGN-DHC-DP-BCE---HPLTGY 607
Db      1750  VSGDSEH-----ASCLANDGS-----YTCSCVPYTTGDKNCAEPKCAKAPGNBENG 1798
Qy      608  DGADCRLOG-----RCYSWNRDGLCHVYC-----NNMLNDFDGDCCDPQVADVARKTC 656
Db      1799  SSGEITYTGAETVTFSGQBGYQLMGVTKIKTCLESGENHNI-----PYCKAV--SC 1846
Qy      657  FDPDSKRAYMSVKELKEALQLNSTHFLNIYPAASSVREDLAGAATVPMKDVAVTHLGIV 716
Db      1847  GKPAIPENG--CIEELATFGSGKVTVRCNKGYYTLAGDKESCLANSSWSHSP-----V 1898

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QY 717 LSPAYYGMPTDTHMHEVHVLGLYHVFKEVSEBSCNDPCKEYVPSMETGDLCADTA- 775
DB 1899 CEEVCKSSPENINN-----GKY-IISGLTYLSTASYSC-DTGYSLQGPSIIECTAS 1947
QY 776 -----PTPKSELCEPEPTSDTC-----GFTFPGAPFTNYMSYTDNDCTDFTPNQVA 824
DB 1948 GIMDRAPRACHLVFCGEPRPAIKDAVITGNFT-----FNTVYTYT---CKEYITLAGE 1998
QY 825 RMHCYLDLYVQWTERK---PTPIPIPMVICQTNKSLTIHMLPPISGVYVDRASGSLC 861
DB 1999 TIECLAD---GKWSRSDQCLAVSCDEPRIVDHASPE--TAH-----RLRGDIA 2042
QY 882 GACTEDGTROYVHTASSRVCDSSGWTPEEAVPRD--VDQCE--PSIQAMSPVHLY 938
DB 2043 FYVCSG---YSLADNSQLCNAQKWPPEBQDMPRCIANHCERKSPVS-----Y 2090
QY 939 HMMMTVPCEPTEGSELLEFQHPVQADTLTLWTSFPMESQVLPDTEILLE-----NK 991
DB 2091 SI-----LESVKAKAFRAGS-----VIFKMEGFVL-NTSAKIECRGGQMP 2133
QY 992 ESHVGLPDLTFCDIPLITKLHVDGKVSQVYTFDERI-----EIDAAITLS 1038
DB 2134 SEMSIQCIYRCEGPSSI---MNGYASGSN-YSGAMVAVSCKNGFYIKGEKKSJCEATG 2189
QY 1039 QPHSPICSGCRPRYQVADPPASGLPVVYVTHSHKFTDVEYTPQOMTQYVLAAGSE 1098
DB 2190 QWSSPIPT-CHPV-----SCGEPRPEVNGF-----LEHTTRIFESREYQCNQ 2233
QY 1099 LGBASPL-----NHIHG-APY-----CG-----DGKYSERLGECDGD 1132
DB 2234 YKSVGSPVVCQANRMHSEBPLMCYPLDCKRPPIONGFMKENGVEGSKVQPFCEBY 2293
QY 1133 LVSQDGSRYCELEBGFNCVGEBSLCYMBGDGICEPF-----RKTSIVDG 1180
DB 2294 ELVGDG-SWTCQSGKMKKSXP-----CMPACRPRPLENQLVKELTTEVG 2342
QY 1181 IY---PKGYLDOMAT--RAYSHEDKCKPV-SLYTGEBSHILCTSYHEDLPN---HRP 1231
DB 2343 VTFSCKEHVLQGPVSLKCLPQOMNDSPVCKIYLCAPPLI--SFGVPISSALHFG 2400
QY 1232 LTMFPCVAS-----EBETQDDREOPEGLKKEDEVW---LKVCNRPPEARALIFLTT 1284
DB 2401 STVKYSCVCGFLRGKST-----TLCCPDGTWSSPLPEC----- 2434
QY 1285 DGLVPEHQP--TVTLTYLTDVGRSNHSLGTYGLSQHN--PLIINVT---HHQNVLFHNT 1338
DB 2435 ---VPFECQPEBEIPNGIIDVGLAY-LSTALYTCKRPFELVGNITTLGGENHMLGKRP 2490
QY 1339 TSVLANFSSPRVGIISAVLALTSRIGLSAPNSCISEBQONHOGOS---CIHRPCGKOD- 1394
DB 2491 TCKAIECLRPKELNKFSYTDLHYQOTVYSC--NRGFRLEGPSALTCLE--TGDMDV 2545
QY 1395 SCPSILLDHADVNCISGP---GLMKCA-----ITCORGFLQASSQGYIRPMOK 1442
DB 2546 DAPS-----CNATHCSPQPIENGFEAGDYSGAIIIVSCPPGFVAGHAQO----- 2593
QY 1443 EILITCSSGHMDQNV-SCLPVDQGV-----DPSLVNY----- 1474
DB 2594 ---TCESGWSSTIYTCMIDIGLPRPHIDFGDCTKLKDDQGYFBEQEDMMEVPTTTPH 2649
QY 1475 ---ANFSGSEGTK-----FL--KRCISICVPRAKLOGLSFWLTCLEBGLWSLPE 1518
DB 2650 PYHLGAVAKTWENTKESPATHSNFIJGTMVSYTCNPGYELG-NEVLLCOEBGTWNGSA 2708
QY 1519 VVC-KLECDAPPIILANLLEPHCLQDNHDVGITCKEYCKPGYVVAESABGVRNKLKI 1577
DB 2709 PFCISTECULPAPEKGLRFTET---SMGSAVOISCKPCHILAGSD---LKL 2755
QY 1578 QCLEGGIWEQGS--CIPVVCBPPPVFEG-----MYECTNGFSLDSQCVLNC 1622
DB 2756 -CLERNKMGASBPRAICISCKKPNPMNGSINGSNVTYLTLYBEDPCY-----VING 2808

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QY 1623 NOERKELPILCTKEGLMTQEFKLCENTLOGECPRPSELN-----SVEYKCEOG 1670
DB 2809 TERR-----TQDDKNWDEDEPIC--IPVDCSSPPVSAAGVGRGDEYTFQKELEYCNKG 2861
QY 1671 Y-----GIGAVCSPL-CVIPPSPDPMLEPENTADTLBHMMSPVK----- 1708
DB 2862 FILEGARSVCLANGSWGATPDQVPRCATPR-----QLANGVTBGLDGFMKVEYFPHCH 2917
QY 1709 -----VOSIVCTGRQWHPDVLVHCIOGCEP 1735
DB 2918 EGYILHGAPKLTCQSDGNWDAE-----IPLCKP 2945

RESULT 10
US-11-116-939-6
; Sequence 6, Application US/11116939
; Publication No. US2005026595A1
; GENERAL INFORMATION:
; APPLICANT: Stephen Tomlinson
; APPLICANT: Richard J. Quig
; TITLE OF INVENTION: TISSUE TARGETED COMPLEMENT MODULATORS
; FILE REFERENCE: 19113.011502
; CURRENT APPLICATION NUMBER: US/11/116,939
; CURRENT FILING DATE: 2005-04-28
; PRIOR APPLICATION NUMBER: 60/565,907
; PRIOR FILING DATE: 2004-04-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2048
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note=synthetic
; US-11-116-939-6

Query Match      2.9%; Score 287; DB 7; Length 2048;
Best Local Similarity 19.1%; Pred. No. 6,2e-14;
Matches 346; Conservative 176; Mismatches 541; Indels 750; Gaps 104;

QY 466 EAVPF-----RDE-----KYRLLEVLOGFEPPELISPLQPL-----CGQVVCN 506
DB 56 EWLPRAPPTNLDEEPPRIGIYLNCEPRGYSGRPSSIILKNSWVTGAKDCRRKSCRN 115
QY 507 -----VELISQYNGWPLRGEKVIYQVNICD--DE 536
DB 116 PDPVNGWVHVIKGIQFSGQIKYSCTKGRILGSSATCIISGDTVIMNENRPICDRIIC 175
QY 537 GNPVSEBQIRLOHEALNEAF---SRYNISWQLSVHGVNSTLRRVVLVNCBPSKIGN 593
DB 176 GLPPIIT-----NGDEFISTNRENFY-----GSVVTYRCNPGSGR 211
QY 594 D-----HCDECEHPLTGYDG---DCLQGRCSYMRROGLCHVECNM--LND 638
DB 212 KVFELVGEBSIYCTSNDOQ--VGIMSGAPQCIIPNKCPTPVENGILVSDNRSLFSLNE 269
QY 639 FDDGDC-----C-----DPQVADVRTCEPDPSPKAYMSVKELKEALQIN 679
DB 270 VVEFFCQGFVWKGRYKCAQLNMBELBSCRVCCOPPRVYLA-----ERTQGD 321
QY 680 STHF--LNIYPASSVREDLAGATW-----PMDKAVT-----HLGQIVLS 718
DB 322 KQNFPGQEVFYSCEPYDLRGAAASMRCTPQGDMPAPAPTCBVKSCDDPMQLNGRVLF 381
QY 719 PAVYGMPTDTHMHEVHVLG---LYHVFK-----VSRESGNDCKCTVPS- 764
DB 382 PVNIQLGAKVDFCDEGQLKSSASVYCLAGMESLWNSVPCBQIFC--PSPVITPG 439
QY 765 METG-----DLCAD-----TAPTKSEL- 782
DB 440 RHTGRLAVFPFGKAVNTTCDPHPRKGTSPDLIGESTIRCTSDPGQNGVWSSPAPRCGL 499

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QY 783 --CREPE-----PTSDTCGTRFP---GAPFTNMYSTDCNDNF--- 818
DB 500 GHGQAPDHLFLAKTKQTQNASDPFICTSLKBECPREYRPFPS-----ITCDLNLVMS 552
QY 819 TPNQVARNHCYLDLYQOMTESRKPTPIIPMY-----TQOT 856
DB 553 SPKDVCK-----RKSKCTPPDPVNGVHVITDIQVSRINVSCTTGHRLIGH 600
QY 857 NKSLLT-----HW--LPLI-----SGVYDRAASGLCACTEDGTQOVHTAS--SRV 902
DB 601 SAECLISGNAAHMSTKPIQORI PCGLPPTIANGDT-----STNRFHGSVVYTYC 654
QY 903 CDSGMYTPEEAVGPDPV-----DQPCPSLOAM--PEVLYHMMMTVPCFTEGSL 955
DB 655 NGSGGRKAFELVGBESIYCTGNDQ-----VGWGPAPQCIIPKCTPPNVE----- 703
QY 956 LFOHPVQADTLTLWTSFFMSSQVLFDTLEILL---NKSVHLGLDTFCDIPLTIK 1012
DB 704 -----NGILVSDNRSLSFSLNEVEFRQPGFWMKGPBRVCKQ----- 740
QY 1013 VDGKXSGVKVYTFDERIEIDALLITSQPHSLCSG--CRVRYQVLRDPPFASGLPVVYTH 1071
DB 741 -----ALNKWPEPLPSCSRVCP-----PDDVH 764
QY 1072 SHRKFTDVE--VTPGQMYQVQLAAGSEL--GEAS-----PPLNHIHAPYCG----- 1116
DB 765 AERTQDKXNFSPQGEVFPYS--CEPGYDLRGAASMKCTQGDMSPAAPCEYKSCDDFMG 822
QY 1117 ---DGK---VSERLGEE---CDDGDLVSGDCS-----KVCE----- 1144
DB 823 QLLNGRVLFPVNLQIGAKYDFVCDGEGFQJGSSASACVLAGEBSLWNSVAPCEQIFCS 882
QY 1145 -----LE-----BEGNCVGBSL--CVM--YEGDGI----- 1166
DB 883 PVIYNGRHTGKPLEVFPFGKAVNYTCDPHPRGTSFDLIGSTIRCTSDPGNGWSSP 942
QY 1167 -----CE-----PFRKTSIVDCGIY-----PKGY-----LDQMANR 1194
DB 943 APRCGILGHGQAPDHLFLAKTKQTQNASDPFICTSLKBECPREYRPFPSITCLD---NL 999
QY 1195 AVSSHED--KKKC--PVSLLVGEPSLI-----CYSYHDLPNHR----- 1230
DB 1000 VMSSPDVCKRKSCKTPPDVNGVHVITDIQVSRINVSCTTGH--RLIGHSSAECLIG 1058
QY 1231 -----PLTGMFPC-----VASENEQDDRSBEPBSLKEDEVMUKVCFNRGEAR 1276
DB 1059 NTAHMSKPIQORIPCGLPPTIANGDTSTNKENFHYSV-----VTRCNIGSSRGR 1111
QY 1277 AIF-----IFLTDDG-----LVGHEHQPTVT--LYLTDVSGSNHSL--- 1311
DB 1112 KYFELVGBESIYCTSDNDQVGIWSGAPRQCIIPNKCTPPNVENGLIVSD---NSLSFSL 1167
QY 1312 -----GTGLSCQ-----HNPLIIVTHQONLFR--HTTSVLINFS 1347
DB 1168 NEVEFRCPQPGFVMKGPBRVCKQALNKWPEPLPSCSRVCPPELIGHGHTSHQNFSP 1227
QY 1348 PRVGSIAVALRTSSRIGLSAPRNCISEDGQNHQSGSCIHRCQKQ-----DS 1395
DB 1228 -----GQEVFVSC-----EPGYDLRGAASH--CTPGDMSPEAPRCAVKS 1266
QY 1396 CPSLL--LDHADVVNCTSIGPGLMKCAITCORGAFALQASSGOVIRPMQKEILLTSSGHM 1453
DB 1267 CDDFLGQPLHGRVLPFLNLQIG--AKYSFVCDGSEFLKSSVSH-----CYLVGRSLM 1318
QY 1454 DONVS--CLPVDGCVDPDSLNVYANFSCEG--TKFLKRCISCVP-----PAKLOGLSPW 1505
DB 1319 NNSVAPVCEHIFCPNRP--PALINGHHTGTPEGDIPIYKESISYTCDPHPRDQMTFLIGESP- 1376
QY 1506 LTGLEB-----GLMSLPEVYCKL-----ECDAPRIIANALLPHCQD--NHVGTICXKE 1555
DB 1377 ICTSDPHNGVWSSAPRCELSVRAGHCKTPEQFPASPPIP--INDEFPVGSILNVE 1434
QY 1556 CKPGYVASAGKVANKLLIKIGLEGIME--QSGCIPVCEPPEPVEGEM----- 1605

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DB 1435 CRPGYF-----GKMFSTISCLLENLWMSSEVDNCRKSCGPPPEFNGVHINTDTQ 1484
QY 1606 -----YECTNGFSL-----DSQVLANCQDERKPLILCTKBELWQOFRGLCENLOGECP 1655
DB 1485 FGSTVYSCNEGFRLLIGSPSTTCLVSGNV-----TWOKKAPICEII--SCSP 1530
QY 1656 PPSSELSN-----VEYKCEQGYG-----IGAVCSP 1679
DB 1531 PPTISNGDFYSNNKTSFANGIVTYTQCHTGPDEQLFELVGBESIYCTSKDQVWSSP 1590
QY 1680 -----LCVIPP--SDPYMLPENIT-----ADTLEHMEP-----KVQSIYCTGRQWHP 1722
DB 1591 PERCSTWKCTAPBEVEMAIKRVGNRSFSLTEIIRFCQPGFVWGSHTVQCQTNGRW-- 1648
QY 1723 DPVLVHCIOQCEP 1735
DB 1649 GKPLPHCSRVCP 1661

RESULT 11
US-10-055-877-211
; Sequence 211, Application US/10055877
; Publication No. US2005028241A1
; GENERAL INFORMATION:
; APPLICANT: Decisiofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchenev, Vellizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Kateili, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zernusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patuturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eissen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870

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PRIOR FILING DATE: 2001-03-02  
PRIOR APPLICATION NUMBER: 60/275,990  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/275,927  
PRIOR FILING DATE: 2001-03-14  
Remaining prior application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 512  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 211  
LENGTH: 1574  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-10-055-877-211

Query Match 2.98; Score 282.5; DB 6; Length 1574;  
Best Local Similarity 19.78; Pred. No. 9.5e-14;  
Matches 297; Conservative 81; Mismatches 476; Indels 657; Gaps 86;

QY 571 QVHNSLRRHV-----LVNCEPS-----KIGNDHCDPECHPLTGYD 608  
DB 169 RAHNGGQHRCAVTPGSLCECKRGFRLLTDGRTCLAISSCTLGNGGCHQVQVLTVOH 228  
QY 609 GGDCLRGRCYSNNR-----DGLCHVENNNMLNPDGDCDP--QVADYRKTG 656  
DB 229 RCQCRPOYLOEDGRRCVRRSPCAENGCGMHTCQELRGLAHG--CHPGYQLAADRKTG 286  
QY 657 FDDPSRRAVMSYKELKALQLNSTHFLNLYFASVREDLAGAATPMDKDAVTHLGLIV 716  
DB 287 EDVDE-----CALGLAQCAHGCINTGSGFKVCVCH----- 315  
QY 717 LSPAYYGMFGHTMTLHEVHVLG-----LYHV-PKVSERESNDPCKETVPSMETGDL 770  
DB 316 -----AGEIADGROCYRIEMELVNSCEANGSGCHGCHTSTGFL 357  
QY 771 CA-----DTPATPKSELCREPEPTSDTCGTFRPPG--APTNNMSYTD 811  
DB 358 CTCPRGYELDEQKTCIDIDDCA NSPCCQ-----ACANT--PGGYECSGFAGYLNTD 409  
QY 812 -----DNCT-----DNTPNQVAMHCYLDLVYQMTESKKFPPI----- 846  
DB 410 GCGCEDVDDECAHGCGEHCNSMLAGSFQCFEAGRYLDEDRRGCTSLERSVVDLGRLP 469  
QY 847 ---PIPPVYIGOTNKSLLTHMLPPI-----SGVYVYDASGSLGACGTEGDFRQYVHTAS 899  
DB 470 FVRPLHIAVLKDE-----LPRLPODDYGAEEAAAEALRGE-----HTLVE 511  
QY 900 RRYVC-----DSSGYWTPPEAVG-----PPDV-----DQF 923  
DB 512 KPFVCLDHSFGHDCSLTCDRCRNGTCFPRGDCDCDFEGMTGIIICNCTCFPTDTGKXCSF 571  
QY 924 -----CEPSLQA--WSPEVH----- 936  
DB 572 CTCQNGGTDPVLGACRCPFGVSGAHCEBDCPKGFKHCKKCHCANRGRCHLYGACL 631  
QY 937 ----LVHMMNTVPCPT-----EGCSLLRLPHQVQADTLTLMVTSFMESQVLFDEIILL 988  
DB 632 CDBGLGRFCHLACPRWAFGPGS----- 1048  
QY 989 ENKESVHLPLDFTCDIPLTLKLVHGVKGVVYVTFDERIEIDALLTSOPHSPLCSGC 1048  
DB 661 EGSHTSCNPKDSSC--SKKAGFGG-----ERCGAFCSGFGPP-----GC 699  
QY 1049 RPRRYVGLRDPFASGLPVVVVTHSHRKFTEVTEPQOMTQOYGLABAGELGASPLPLNH 1108  
DB 700 R-----HR-----CTCOPG-----VACDVSSECRTOCP-- 724  
QY 1109 HGAPYCGDKVSERLGEECDGDLVSGDGSKVCELEGFNVGERSPLCYMEGDCICE 1168  
DB 725 -----GYGEGDGGQECFVGT--GVNCSGSC-----SCVGA--CHRYTGCLCP 765  
QY 1169 PPERKTSIVDCGILYTPKGYLDQWATRAVYSHEDKKKCPVSLVGEHSLICTSYHDLBN 1228  
DB 766 P--GKIG-EDCGADCFEG--RWGLGC-----QELCPAC-----EHGASC----- 799

QY 1229 HRPLTGMFPCVASENETODDRSQPBGSLKKEDEWMLKVCFNRRPEARAFIPLTTDGLV 1288  
DB 800 -NEETG-----TCLCLPG-----FV----- 813  
QY 1289 PGEHQPTVTLVLYTVRGSNHSIGTYGLSCQHNPLIINTVHQNVLFHHTTSVLNRPSP 1348  
DB 814 -GSRQDTC-----SAGWYGTGQIRACANDGH-----CDP 844  
QY 1349 RVGISAVALTSSRIGLSAPNSCISEDEGNHOGSCIHPRC-----GKODSCPSLLD 1402  
DB 845 TTGRSCA--PEWTLGSCQRAC--DSG--HMGPPCIH-FCNCSAGHGCADVSLGCLC 895  
QY 1403 HADV-----VNCTS--IGPGL-MKCAITCQRFALQASSGYIRPMQKEILLTSSGHW 1453  
DB 896 EAGYEPRCRQSCQGYGPGSCQKC--RCEHGAACDHWG-----ACTCPAG-W 942  
QY 1454 -----DQNVSLPVDGVPDPSLVVYANFSSGSEGTFLKRGISCVPPA 1497  
DB 943 RGSFCEHACPAFFGLDCDSAC--NCSAGAPCDAVTGSCTCPAG--RWGRCAQSCPPLT 998  
QY 1498 KLGSLSPWLTCL-----DGL-----WSLPEVYCKLECDAPITILNANT----- 1536  
DB 999 FGUNGQICTCFNAGASCDVYTGCHCAPGMGPT--CLQAC--PGLYGNKQHSCLCRN 1054  
QY 1537 -----LPHCLQDNHDVGTICKYBCKPGYVVAESAGKVRNKLKIQCLEGGI----- 1584  
DB 1055 GGRCDPILGQCTCPREGMTGLACENECTPGHYAAGCQ-----LNCSCIHGICIRLTG 1106  
QY 1585 -----WE-----QSGCIP-----VYCEPP-----PVPEBMY--BC 1608  
DB 1107 HCLCPAGMTGDKQSSCVSGTGFVGHCEHCACRKASCHHVTGACCPGMRPHEQAC 1166  
QY 1609 TNGFSLDSQVLCNQNOREKELPLCTKEGLMTQEFYLCENTLOGECPPPSSEILN-SVEYK 1667  
DB 1167 PRGW-FGEACAQR-----LCPTNA-----SCHHVTGECRPGFTGLSBOAC 1209  
QY 1668 EOGYIGAVCSPLCVIPESDPVWMLPENITADTLEHM-MEPVKQSVICTGRRQMRDPVYL 1726  
DB 1210 QPG-TFGKCEHLCCQFG-----ETWACDPA--SGVCTCAAGYHGTGCL 1250  
QY 1727 VHCIO-----SCEPF--QADGMCDTINNRAVC--HYDGDCCSSITLSKVIYFPAADD 1776  
DB 1251 QRCPSGRYPPGGEHICKLNGGTCDPATGACYCPAGFIADGSLACDGR--FGPSC- 1305  
QY 1777 LDECTCRDPKA 1787  
DB 1306 AHVCAACRQGA 1316

RESULT 12  
US-10-453-372-192  
Sequence 192, Application US/10453372  
Publication No. US20060003323A1  
GENERAL INFORMATION:  
APPLICANT: Alsbjork, et al.  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
FILE REFERENCE: 21402-589 A  
CURRENT APPLICATION NUMBER: US/10/453,372  
CURRENT FILING DATE: 2003-06-03  
PRIOR APPLICATION NUMBER: 09/789390  
PRIOR FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 60/185967  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: 09/823187  
PRIOR FILING DATE: 2001-03-29  
PRIOR APPLICATION NUMBER: 60/195792  
PRIOR FILING DATE: 2000-03-10  
PRIOR APPLICATION NUMBER: 09/839446  
PRIOR FILING DATE: 2001-03-19  
PRIOR APPLICATION NUMBER: 60/199476  
PRIOR FILING DATE: 2000-03-25  
PRIOR APPLICATION NUMBER: 09/863776



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Db      113 FVCEGFRKSSVSH-----CWLGMASLWNSVPCVCHITCPRP-PAILNGRTTGT 164
Qy      1480 SEG-TKELKRCJSICVP-----PAKIQGLSPMLTLED---GLWSLPEVYCKL----- 1523
Db      165 PSQGIPIYGEKLSYTCDDHPDPMGMTFNLIGEST-IRCTSDPHGNQWSSPARCELISVRAG 223
Qy      1524 ECQAPPIILNANLILPHCLD-NHDTVICTCKECPKYVAESAEGKVRKMLKIQCLEG 1582
Db      224 HCTPEQFPFASPTIP--INDPEFPVGLSLNTECRPGYF-----GGMFSISLLEN 271
Qy      1583 GIME--QSCIPVCEPPPEVFEQM-----XECTNGFSL---DSQVLANC 1622
Db      272 LWMSSVDNCRKRSKCGPPEPFNGMWHINDTQGSTVWNSCHNGFALIGSPSTCLVSG 331
Qy      1623 NQREBKPIILCTKEGLMTQEFKLCENTQGECPPPSELNS-----VEYKC 1667
Db      332 NNV-----TWDKKAPICEII--SCEPPTISNGDFVSNRNTSPHNGTVVYQC 377
Qy      1668 EOGG-----IGAVCSP-----LCVIRP-SDPVMLPENITA 1697
Db      378 HTGPDGQFLPELVGERSICTSKDDQGVWSSPPRCISTNKTAPREVENAIRVPGNRSF 437
Qy      1698 DTLEHNM-----EP-----VKVQSIYCTGRBOWHPDPVLVHCIOSECP 1735
Db      438 FTLEIRFRQCPGFVWVVGSHTVQCQINGRM--GPKLPHCSRYCQP 481

RESULT 14
US-10-995-561-955
; Sequence 955, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 955
; LENGTH: 790
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-995-561-955

Query Match      2.6%; Score 253.5; DB 6; Length 790;
Best Local Similarity 22.1%; Pred. No. 6.6e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy      1382 GQSCIH-RPCGKODSCPSLLLDHADVNNCTSIGPGLMKCAITQCGFALQASSGQYIRPM 1440
Db      191 GPECEYVRGEGLELPHQVILMNCSHPLGNFSFN---SQCSFHCTDGYVNG-----PS 240
Qy      1441 QKEIILTCSSGHM--DONVSCLPVDCGVPDPSLVNANFSCSEGTKFLKR---CSISC--- 1493
Db      241 KLECL---ASGITNKPPOCLAQC--PPLKIPERGMNMTCLHSAKAFQHOSSCSFSCEEG 295
Qy      1494 ---VPPAKIQGLSPMLTLEDGLWSLPEVYCK-LBC---DAP-----PILNANLL 1537
Db      296 FALVGEVVO---CTASGVWTAAPVCKAVQCHLEAPSEGTMDCVNPLTARA--- 345
Qy      1538 LPHCLDNHDTVICTCKECPKYVAESAEGKVRKMLKIQCLEGIMEQ--GSCIPVVC 1595
Db      346 ---YSSCKFECPG---RVRG-LDMIRCTIDSGHMSAPLPTCAISC 386
Qy      1596 EPPPVPEGMVET---NGFSLDSQVLANCQOE--REKLPILCTKEGLMTQEFKLCENTL 1649
Db      387 EPLSEFVHGSMDCSPSLRAFOYDTNCSFRCABGFMLRGADIVACDNLGQWTAPAVCOAL 446
Qy      1650 QGBCPPRPSBLNSVEYKCEQGYG---IGAVCS-----P 1679

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Db      447 QCDLPLP---NEARVNCSPHFAFRYQVCSFTCNBGLLVGASVLOCLATGNMNSVPP 503
Qy      1680 LCVIIPSDPVMLEPENTADTLBHMPEPVKQV-----IVCTGRRO 1719
Db      504 EQAIPCTPLSLQNGMTWC---VQPLGSSSYKSTQCFICDBGYSLSGPERLDCTRSR 559
Qy      1720 WHDPVLVHCTQSCPEPQAD-GMCDTIINN---AYCHY--DGC-----DCCSS 1761
Db      560 WTDSPMCEAIKCPBLFAPQGLSDCSDFGEFNVGSTCHFSQDNGFKLEGPNNVECTTS 619

RESULT 15
US-10-995-561-957
; Sequence 957, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 957
; LENGTH: 830
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-995-561-957

Query Match      2.6%; Score 253.5; DB 6; Length 830;
Best Local Similarity 22.1%; Pred. No. 7.1e-12;
Matches 106; Conservative 62; Mismatches 161; Indels 151; Gaps 27;

Qy      1382 GQSCIH-RPCGKODSCPSLLLDHADVNNCTSIGPGLMKCAITQCGFALQASSGQYIRPM 1440
Db      191 GPECEYVRGEGLELPHQVILMNCSHPLGNFSFN---SQCSFHCTDGYVNG-----PS 240
Qy      1441 QKEIILTCSSGHM--DONVSCLPVDCGVPDPSLVNANFSCSEGTKFLKR---CSISC--- 1493
Db      241 KLECL---ASGITNKPPOCLAQC--PPLKIPERGMNMTCLHSAKAFQHOSSCSFSCEEG 295
Qy      1494 ---VPPAKIQGLSPMLTLEDGLWSLPEVYCK-LBC---DAP-----PILNANLL 1537
Db      296 FALVGEVVO---CTASGVWTAAPVCKAVQCHLEAPSEGTMDCVNPLTARA--- 345
Qy      1538 LPHCLDNHDTVICTCKECPKYVAESAEGKVRKMLKIQCLEGIMEQ--GSCIPVVC 1595
Db      346 ---YSSCKFECPG---RVRG-LDMIRCTIDSGHMSAPLPTCAISC 386
Qy      1596 EPPPVPEGMVET---NGFSLDSQVLANCQOE--REKLPILCTKEGLMTQEFKLCENTL 1649
Db      387 EPLSEFVHGSMDCSPSLRAFOYDTNCSFRCABGFMLRGADIVACDNLGQWTAPAVCOAL 446
Qy      1650 QGBCPPRPSBLNSVEYKCEQGYG---IGAVCS-----P 1679

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Search completed: January 30, 2006, 15:31:31  
Job time : 30.3219 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:15:43 ; Search time 99.4703 Seconds  
(without alignments)  
7523.174 Million cell updates/sec

Title: US-09-983-025B-2

Perfect score: 9856

Sequence: 1 MMCLIKIRISLAIAGWALC.....AADCDDECTCRDPKAEHQ 1791

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA Main:\*

- 1: /cgn2\_6/ptodaca/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodaca/1/pubpaa/US08\_PUBCOMB.pep:\*
- 3: /cgn2\_6/ptodaca/1/pubpaa/US09\_PUBCOMB.pep:\*
- 4: /cgn2\_6/ptodaca/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodaca/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 6: /cgn2\_6/ptodaca/1/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	9856	100.0	1791	3	US-09-983-025-2
2	9836	99.8	1791	3	US-09-827-998-3
3	9836	99.8	1791	4	US-10-675-685-3
4	9507	96.5	1770	3	US-09-827-998-10
5	9507	96.5	1770	4	US-10-675-685-10
6	7363	74.7	1385	4	US-09-827-998-16
7	7363	74.7	1385	4	US-10-675-685-16
8	3916.5	39.7	1627	3	US-09-983-025-25
9	3916.5	39.7	1627	4	US-10-295-027-663
10	3916.5	39.7	1627	5	US-10-783-311-1
11	3916.5	39.7	1627	5	US-10-741-600-1406
12	3916.5	39.7	1627	5	US-10-991-321-32
13	3916.5	39.7	1627	5	US-10-887-229A-8
14	3914.5	39.7	1547	5	US-10-783-311-2
15	3909.5	39.7	1752	5	US-10-450-763-41497
16	3602	36.5	1420	5	US-10-741-600-1403
17	3602	36.5	1420	5	US-10-741-600-1405
18	3044	30.9	1232	5	US-10-741-600-1404
19	2219	22.5	858	4	US-10-334-143-85
20	1893	19.2	704	5	US-10-741-600-1402
21	1086	11.0	192	3	US-09-864-761-34265
22	383	3.9	70	3	US-09-864-761-34265
23	360.5	3.7	165	3	US-09-864-761-42873
24	346.5	3.5	3567	4	US-10-028-248A-47
25	346.5	3.4	3571	4	US-10-107-782-47
26	336.5	3.4	3571	4	US-10-603-283-2
27	336.5	3.4	3594	3	US-09-911-842-4

28	336.5	3.4	3594	4	US-10-150-821-4	Sequence 4, Appl1
29	334.5	3.4	3557	4	US-10-295-027-430	Sequence 430, App
30	334.5	3.4	3557	4	US-10-295-027-1297	Sequence 1297, Ap
31	332.5	3.4	3568	4	US-10-028-248A-8	Sequence 8, Appl1
32	332.5	3.4	3568	4	US-10-107-782-8	Sequence 8, Appl1
33	332.5	3.4	3570	4	US-10-028-248A-6	Sequence 6, Appl1
34	332.5	3.4	3570	4	US-10-107-782-6	Sequence 6, Appl1
35	330.5	3.4	3571	4	US-09-911-842-2	Sequence 2, Appl1
36	330.5	3.4	3571	4	US-10-150-821-2	Sequence 2, Appl1
37	324	3.3	63	3	US-09-864-761-34262	Sequence 34262, A
38	292.5	3.0	2489	3	US-09-911-821-5	Sequence 5, Appl1
39	292.5	3.0	2489	4	US-10-150-821-5	Sequence 5, Appl1
40	292.5	3.0	2489	5	US-10-741-600-1242	Sequence 1242, Ap
41	290	2.9	3564	4	US-10-016-248-45	Sequence 45, Appl
42	287.5	2.9	2039	5	US-10-741-600-1241	Sequence 1241, Ap
43	287.5	2.9	2039	5	US-10-450-763-30646	Sequence 30646, A
44	287.5	2.9	2044	4	US-10-276-774-2152	Sequence 2152, Ap
45	287	2.9	1947	5	US-10-742-887-52	Sequence 52, Appl

## ALIGNMENTS

RESULT 1

US-09-983-025-2

Sequence 2, Application US/09983025

Publication No. US20030124529A1

GENERAL INFORMATION:

APPLICANT: OVERGAARD, Michael T.

TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)

FILE REFERENCE: OXVIG-1A

CURRENT APPLICATION NUMBER: US/09/983, 025

CURRENT FILING DATE: 2001-10-22

PRIOR APPLICATION NUMBER: US 60/241,840

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: DK PA 2000 01571

PRIOR FILING DATE: 2000-10-20

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 1791

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)..(66)

OTHER INFORMATION: prepro part of PAPP-A2

NAME/KEY: misc.feature

LOCATION: (67)..(699)

OTHER INFORMATION: pro part of PAPP-A2

US-09-983-025-2

Query Match

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1791; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MMCLIKIRISLAIAGWALCNSNSLSEKSLVEREHLNOVLTLEGERCWLGAKYRRR	60
DB	1	MMCLIKIRISLAIAGWALCNSNSLSEKSLVEREHLNOVLTLEGERCWLGAKYRRR	60
QY	61	ASFOHLLFGVYPSRAGNYLRPYVGEQELTHHTGRSKPDTEGNANVSLVPPDLTENPAGLNG	120
DB	61	ASFOHLLFGVYPSRAGNYLRPYVGEQELTHHTGRSKPDTEGNANVSLVPPDLTENPAGLNG	120
QY	121	AVEBPAPVWGSPIGQSELGDDDAVYGNRSKSLGAGIOKSAAMAATTTAFTTL	180
DB	121	AVEBPAPVWGSPIGQSELGDDDAVYGNRSKSLGAGIOKSAAMAATTTAFTTL	180
QY	181	NSPKETORRGNKSRORQVWKRRAEDQSGISISHFPWPKSLKIRVKKSPPEESN	240
DB	181	NSPKETORRGNKSRORQVWKRRAEDQSGISISHFPWPKSLKIRVKKSPPEESN	240

QY	244	UNGGSGSREATFMSQVSLPTLYSGREERLLAPEVLAETIPREAFTEAMVKEGQN	300
Db	241	QNGGSGSREATFMSQVGLPTLYSGRRERLLRPEVLAETIPREAFTEAMVKEGQN	300
QY	301	NPAILAGVFNDSHTVSDKGMAIGIRSGDKDKRDPAPFPSICTORVKKATLISHSRQ	360
Db	301	NPAILAGVFNDSHTVSDKGMAIGIRSGDKDKRDPAPFPSICTORVKKATLISHSRQ	360
QY	361	PCTMTHVAATYDGRHMALYVDGTQVASSLDSQGPLNSPFMASCRSLLLGGDSSBDGHYR	420
Db	361	PCTMTHVAATYDGRHMALYVDGTQVASSLDSQGPLNSPFMASCRSLLLGGDSSBDGHYR	420
QY	421	GHGLTLVFWSTLPSHFQSSQSSGGEAEADLYLASFEVWNTWMPFRBEKPRLEV	480
Db	421	GHGLTLVFWSTLPSHFQSSQSSGGEAEADLYLASFEVWNTWMPFRBEKPRLEV	480
QY	481	LOGFEPEPIIASPLPPLCGQTVCCNVELISQYNGWPLRGEKVRYOYVNCDEGLNP	540
Db	481	LOGFEPEPIIASPLPPLCGQTVCCNVELISQYNGWPLRGEKVRYOYVNCDEGLNP	540
QY	541	IYSEBQIRLOHEALNEAFGRYNISWQLSVHQVHNSTLRHRYVLYNCEPSKIGNDCDEEC	600
Db	541	IYSEBQIRLOHEALNEAFGRYNISWQLSVHQVHNSTLRHRYVLYNCEPSKIGNDCDEEC	600
QY	601	EHPPLGYOGGDRLOGRCYSMNRBGLCHVECCNMNLNPFDDGCCDPQVADYRKTCFPPD	660
Db	601	EHPPLGYOGGDRLOGRCYSMNRBGLCHVECCNMNLNPFDDCCDPQVADYRKTCFPPD	660
QY	661	SPKRAYMSKELKELALQNSTHFLNIYFASSVREDLAGAATWPMQKDAVTHLGGIVLSPA	720
Db	661	SPKRAYMSKELKELALQNSTHFLNIYFASSVREDLAGAATWPMQKDAVTHLGGIVLSPA	720
QY	721	YYGMBGHTDTMIEHVGHYLGLYHVEKGVSEBESCNDCPKETVPSMETGDLADTAPTPKS	780
Db	721	YYGMBGHTDTMIEHVGHYLGLYHVEKGVSEBESCNDCPKETVPSMETGDLADTAPTPKS	780
QY	781	ELCRPEPEPTSDTCGSTRPFGAPFTYMSYTDNCTDNFTPNVAMHCYLDLYVOOMTES	840
Db	781	ELCRPEPEPTSDTCGSTRPFGAPFTYMSYTDNCTDNFTPNVAMHCYLDLYVOOMTES	840
QY	841	RKPTPIPIPPMWIGQTNKSLTIHMLPISGVVYDASGSLGACCTEDGTFROYHTASSR	900
Db	841	RKPTPIPIPPMWIGQTNKSLTIHMLPISGVVYDASGSLGACCTEDGTFROYHTASSR	900
QY	901	RVCDSGQWTPBEAAGPDPVDQPCBPSSIQAMSPEVHALYHMNTVPCPTEGSGLELIFHP	960
Db	901	RVCDSGQWTPBEAAGPDPVDQPCBPSSIQAMSPEVHALYHMNTVPCPTEGSGLELIFHP	960
QY	961	VOADTLTLMVTSFEMESSQVLFDTIELLENKESVHGLPDTFCDPLTIKILHVKGKSGV	1020
Db	961	VOADTLTLMVTSFEMESSQVLFDTIELLENKESVHGLPDTFCDPLTIKILHVKGKSGV	1020
QY	1021	KYUPTDERIEIDAALLTSOPHSPLCSGGRPRARYOULRDBPFPASGLPVVYVTHSHRKFDTVE	1080
Db	1021	KYUPTDERIEIDAALLTSOPHSPLCSGGRPRARYOULRDBPFPASGLPVVYVTHSHRKFDTVE	1080
QY	1081	VTPGQMYOYVLAEBAGELGEASPELINIHGAPYCGDKSVSRJLEBCDDGDIYSGDGS	1140
Db	1081	VTPGQMYOYVLAEBAGELGEASPELINIHGAPYCGDKSVSRJLEBCDDGDIYSGDGS	1140
QY	1141	KVCLEBEGFNCYGEBSLCTMYEBGDICEPFEKRTISIVDCCGYTPKGYLDQNAIRAYSHE	1200
Db	1141	KVCLEBEGFNCYGEBSLCTMYEBGDICEPFEKRTISIVDCCGYTPKGYLDQNAIRAYSHE	1200
QY	1201	DKKCPVSLVGEBSLCTSYHPLPMPHRPLTGMPVABENETODDRSSQPBSSLKKE	1260
Db	1201	DKKCPVSLVGEBSLCTSYHPLPMPHRPLTGMPVABENETODDRSSQPBSSLKKE	1260
QY	1261	DEVMILKVFENPGEARAFIFLTTDGLVAGEHOQCTVLYLYLDVGSNHSIGTYGLSCQH	1320
Db	1261	DEVMILKVFENPGEARAFIFLTTDGLVAGEHOQCTVLYLYLDVGSNHSIGTYGLSCQH	1320
QY	1321	NPLIINTVTHQNVLFHHTTSVILNFSRPVGISAVALTSSRIGLSADSNCSISEDEGNH	1380

Dd	1321	NPLIINTVHHQNVLFHHTTSTVLNFSSPRGISAVALTJSSRIGLSAPNSCISDEEQNH	1380
Qy	1381	QGQSCIRHPCKODSCPSILLDHADVYVNTCSIGBGLKKCAITCORGFALQASSGOYIRPM	1440
Dd	1381	QGQSCIRHPCKODSCPSILLDHADVYVNTCSIGBGLKKCAITCORGFALQASSGOYIRPM	1440
Qy	1441	QKEIILLTSSGHMDQNVSCLEPVDGVPDPSLWYVNFNSCSBGTFLKRCISICVPPAKLQ	1500
Dd	1441	QKEIILLTSSGHMDQNVSCLEPVDGVPDPSLWYVNFNSCSBGTFLKRCISICVPPAKLQ	1500
Qy	1501	GLSFWLTCLEBGLMSLPEBYVTCLEBCDAPRIILNANLLPHCLQDNHDVGTICRYECKRGY	1560
Dd	1501	GLSFWLTCLEBGLMSLPEBYVTCLEBCDAPRIILNANLLPHCLQDNHDVGTICRYECKRGY	1560
Qy	1561	YVAASAGKVPANKLTKIQCLEGGIWEQSGCIPVCEPBPVPFGMECTNGSPFLDSQCVL	1620
Dd	1561	YVAASAGKVPANKLTKIQCLEGGIWEQSGCIPVCEPBPVPFGMECTNGSPFLDSQCVL	1620
Qy	1621	NCNBERELPLITCKEGIMTQEPFLCENLQGCPCPPSELSNVEYKCEQGYIGAVCSPL	1680
Dd	1621	NCNBERELPLITCKEGIMTQEPFLCENLQGCPCPPSELSNVEYKCEQGYIGAVCSPL	1680
Qy	1681	CVIPSPDPVMLPENITADTLEHNMPEPVKQSVICTGRQNHPPDVLVHCIOQSECFQADG	1740
Dd	1681	CVIPSPDPVMLPENITADTLEHNMPEPVKQSVICTGRQNHPPDVLVHCIOQSECFQADG	1740
Qy	1741	WCDTIINNRAYHYHDGQCCSTLSSKVIIPPAADCDDDECTCQDPKAEENO	1791
Dd	1741	WCDTIINNRAYHYHDGQCCSTLSSKVIIPPAADCDDDECTCQDPKAEENO	1791

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RESULT 2
US-09-827-998-3
; Sequence 3, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMR-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3

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Query Match	99.8%	Score 9836	DB 3	Length 1791
Best Local Similarity	99.8%	Pred. No. 0		
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Db	1	MMCKIIRISLAIAGMALCSANSELGWTKKSLVEREHLNOVLLGEGRCWLGAKYRRP	60	
QY	61	ASPOHLFGVYPSRAGNYLRPEVGEQEIHTHRSKPKDEGNVSLVPPDLTENPAGLNG	120	
Db	61	ASPOHLFGVYPSRAGNYLRPEVGEQEIHTHRSKPKDEGNVSLVPPDLTENPAGLNG	120	
QY	121	AVEPPAPPMWGDSPIGSELGGDDDAVLGNORSKESLGEAGLQKSGAMATTTTALFTLL	180	
Db	121	AVEPPAPPMWGDSPIGSELGGDDDAVLGNORSKESLGEAGLQKSGAMATTTTALFTLL	180	
QY	181	NEPKETQRCGMAKSRQRQVWKRRRAEDGGDSGISHPMPWKSLIKHRVKKSPPEESN	240	



Db 181 NBEKPEIORGRMAKSRQORQWRRARADQGDGSGISSHFQPMPKHSLKHKVKS PPEESN 240  
 QY 241 QNGGESYEAETFNQVGLPIIFYSGRRERLLREBVLAETPREAFTYEAAMKPPGCGN 300  
 Db 241 QNGGESYEAETFNQVGLPIIFYSGRRERLLREBVLAETPREAFTYEAAMKPPGCGN 300  
 QY 301 NPAILAGVNDNCSTHTSDKMGALGIRSGKDGKRDARFPFSLCTDVKCATILISHSRYQ 360  
 Db 301 NPAILAGVNDNCSTHTSDKMGALGIRSGKDGKRDARFPFSLCTDVKCATILISHSRYQ 360  
 QY 361 PGTHVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFWASCRLSLGSDSSEDEGHYR 420  
 Db 361 PGTHVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPFWASCRLSLGSDSSEDEGHYR 420  
 QY 421 GHIGTLVFNSTALPOSHFOHSSQHSSEGEATDLVLTASPEPNTWEPFRDCKYRLEY 480  
 Db 421 GHIGTLVFNSTALPOSHFOHSSQHSSEGEATDLVLTASPEPNTWEPFRDCKYRLEY 480  
 QY 481 LQGFEBEPILSLQEPPLCGQTVCDNVNELISQYNGWPLRGEKYIRYQVNNICDDBGJLNP 540  
 Db 481 LQGFEBEPILSLQEPPLCGQTVCDNVNELISQYNGWPLRGEKYIRYQVNNICDDBGJLNP 540  
 QY 541 IYSEBQIRLQHEALNEAFSRYNISWQLSVHQVNSTLRHRVVLVNCBPSKIGNDHCDPEC 600  
 Db 541 IYSEBQIRLQHEALNEAFSRYNISWQLSVHQVNSTLRHRVVLVNCBPSKIGNDHCDPEC 600  
 QY 601 BHPPLTGYDGGDCLQORCYSMNRDGLCHVECNMMLNDPDDGCCPOVADVAKTCDPDD 660  
 Db 601 BHPPLTGYDGGDCLQORCYSMNRDGLCHVECNMMLNDPDDGCCPOVADVAKTCDPDD 660  
 QY 661 SPKRAVMSYKELKEALQUNSTHPLNTYFASVYREDLAGAATWPDMDAATHLGGIYLSPA 720  
 Db 661 SPKRAVMSYKELKEALQUNSTHPLNTYFASVYREDLAGAATWPDMDAATHLGGIYLSPA 720  
 QY 721 YYGMPGHTDTMHEVGHVGLYHVFPGVSEBSCNDPCKETVPSMETGDLCAVTAFTPKS 780  
 Db 721 YYGMPGHTDTMHEVGHVGLYHVFPGVSEBSCNDPCKETVPSMETGDLCAVTAFTPKS 780  
 QY 781 ELCREPEPLSDTCGFRFPGAPPTNTMSYTDNCTNFTPNQVARNHCYLDLYVQOQWTS 840  
 Db 781 ELCREPEPLSDTCGFRFPGAPPTNTMSYTDNCTNFTPNQVARNHCYLDLYVQOQWTS 840  
 QY 841 RKPTPIPIPMVIGQTNKSLTHMLPISGVVYDRAAGSLCGACTEDGTFRQVHRASSR 900  
 Db 841 RKPTPIPIPMVIGQTNKSLTHMLPISGVVYDRAAGSLCGACTEDGTFRQVHRASSR 900  
 QY 901 RVCDSGMYTPBEAVPPVDQPCPSLQAMSPVHLHYMMNVPCPTBGCSELLEFQHP 960  
 Db 901 RVCDSGMYTPBEAVPPVDQPCPSLQAMSPVHLHYMMNVPCPTBGCSELLEFQHP 960  
 QY 961 VQADTLTLWVTSFEMSSQVLFDTIELLENKESVHLGPDTCFCDIPJTKLHVDGKVGCV 1020  
 Db 961 VQADTLTLWVTSFEMSSQVLFDTIELLENKESVHLGPDTCFCDIPJTKLHVDGKVGCV 1020  
 QY 1021 KYTTPBERIEIDALLTSQPHSLCSGCRPRYQVLRDPPASGLVYVYTHSRKKTLYE 1080  
 Db 1021 KYTTPBERIEIDALLTSQPHSLCSGCRPRYQVLRDPPASGLVYVYTHSRKKTLYE 1080  
 QY 1081 VPPGQMYQVOLAAGGELGEASPPLNHTHGAPYCGDGKXSELSGECDDGDLVSDGGS 1140  
 Db 1081 VPPGQMYQVOLAAGGELGEASPPLNHTHGAPYCGDGKXSELSGECDDGDLVSDGGS 1140  
 QY 1141 KYCELEBEGFNCVGEPSLCYMEBGDGI CEPPERKTSIYDGGIYTPKGYLDQMATRAVSSH 1200  
 Db 1141 KYCELEBEGFNCVGEPSLCYMEBGDGI CEPPERKTSIYDGGIYTPKGYLDQMATRAVSSH 1200  
 QY 1201 DKKKCVSLVYTGPHSLICTSYHPDLPNRPLPTGMFPVCAVSEMTDQDSEQBSGLKKE 1260  
 Db 1201 DKKKCVSLVYTGPHSLICTSYHPDLPNRPLPTGMFPVCAVSEMTDQDSEQBSGLKKE 1260  
 QY 1261 DEFWLKYCFENRPEBARAIFITLTTDGLVPEGHQOPVTLVLTQVRSNHSILGYGJSCOH 1320  
 Db 1261 DEFWLKYCFENRPEBARAIFITLTTDGLVPEGHQOPVTLVLTQVRSNHSILGYGJSCOH 1320

QY 1321 NPLIINTVTHQNVLFPHHTSVYLNFSPPRVGISAVALRTSSRIGLSAPNCSISEDEGONH 1380  
 Db 1321 NPLIINTVTHQNVLFPHHTSVYLNFSPPRVGISAVALRTSSRIGLSAPNCSISEDEGONH 1380  
 QY 1381 QGOSCIHRPCGQDSCPSLILDHADVNTSISGPGMKCAITCORGFALQASSGQYIRPM 1440  
 Db 1381 QGOSCIHRPCGQDSCPSLILDHADVNTSISGPGMKCAITCORGFALQASSGQYIRPM 1440  
 QY 1441 QKEIILLTSSGHWQDQVSCLPVDCGVPBLSLVYANFSCSBGTKFLKRSISCVPPAKQ 1500  
 Db 1441 QKEIILLTSSGHWQDQVSCLPVDCGVPBLSLVYANFSCSBGTKFLKRSISCVPPAKQ 1500  
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 Db 1501 GISPMLTCLDEGLMSLPEYCYKLECDAPPIITANALLPHCLQDNHDVGTICKYBCKPGY 1560  
 QY 1561 YVASEAEGKVRNKLKIQCLEGGIWEQSCIPVCEPPEPVEGMYECTNGESLDSQCVL 1620  
 Db 1561 YVASEAEGKVRNKLKIQCLEGGIWEQSCIPVCEPPEPVEGMYECTNGESLDSQCVL 1620  
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 Db 1621 NCNQBREKPLICTYKGLMTQEFKLCENIQGECPPPSSELSVEYKCEQYIGIYAVCSPL 1680  
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 Db 1681 CVIPSPDPVMLPENITADTLHEHMEPVYQOSIVCTGRQWHPDPVLVHCIOCEPQADQ 1740  
 QY 1741 WCDTINNRAYCHYDGGDCCSSTLSKVIIPFADCDLDECTGRDPAEENQ 1791  
 Db 1741 WCDTINNRAYCHYDGGDCCSSTLSKVIIPFADCDLDECTGRDPAEENQ 1791

RESULT 3  
 US-10-675-685-3  
 ; Sequence 3, Application US/10675685  
 ; Publication No. US20040063134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gu, Yizhong  
 ; APPLICANT: Shannon, Mark  
 ; TITLE OF INVENTION: NOVEL ISOPORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
 ; FILE REFERENCE: PB0114  
 ; CURRENT APPLICATION NUMBER: US/10/675, 685  
 ; PRIOR FILING DATE: 2003-09-30  
 ; PRIOR APPLICATION NUMBER: US 60/207, 456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 60/236, 359  
 ; NUMBER OF SEQ ID NOS: 1881  
 ; SOFTWARE: Aecomica Sequence Listing Engine  
 ; SEQ ID NO 3  
 ; LENGTH: 1791  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-675-685-3

Query Match 99.8%; Score 9836; DB 4; Length 1791;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 1788; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
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 Db 1 NMCKILIRISAILAGMALCSANSELGWTTRKSLYREHNLQVLLBGERCMGAKVRRR 60  
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 Db 61 ASPOHHLFGVYSPRAGNYLRYPVGEQEIHHGRGKPDTEGNAVSLVPPDLTENPAGJLG 120  
 QY 121 AVEBPAAPVWGDSPIGOSELLGDDDAVYLGNRKSKESLGEAGIQKGSAMAAATTTTAIFTL 180  
 Db 121 AVEBPAAPVWGDSPIGOSELLGDDDAVYLGNRKSKESLGEAGIQKGSAMAAATTTTAIFTL 180

QY 181 NEKPETORGNMAKSHORQVWKRABEDGQDGSISHPQWPKHSLKTRVKKSPPEESN 240  
DB 181 NEKPETORGNMAKSHORQVWKRABEDGQDGSISHPQWPKHSLKTRVKKSPPEESN 240  
QY 241 QNGEGSYRAEFTNSQVGLPIIFYSGRRERLLRPEVLAIEIPREAFVEAWKPEGGON 300  
DB 241 QNGEGSYRAEFTNSQVGLPIIFYSGRRERLLRPEVLAIEIPREAFVEAWKPEGGON 300  
QY 301 NPALINGVDNCHTATSDKGMALGIRSGXDKGRDARFPFSLCTDVKKATLIIISHRQ 360  
DB 301 NPALINGVDNCHTATSDKGMALGIRSGXDKGRDARFPFSLCTDVKKATLIIISHRQ 360  
QY 361 PGTHVAATYDGRHNAALYVDGTQVASSLDQSGPLNSPFMAKCSRLLDGSDSEDDHYR 420  
DB 361 PGTHVAATYDGRHNAALYVDGTQVASSLDQSGPLNSPFMAKCSRLLDGSDSEDDHYR 420  
QY 421 GHIGTLVFWSTALPQSHFOHSSQHSSEEBEATDVLITAFEPVNTWMPREDKYPRLRY 480  
DB 421 GHIGTLVFWSTALPQSHFOHSSQHSSEEBEATDVLITAFEPVNTWMPREDKYPRLRY 480  
QY 481 LGQFEPEPILSLQPLPCQQTVCNVELLSQYNGWPLRGEKVIYQVYVNICDDDEGLNP 540  
DB 481 LGQFEPEPILSLQPLPCQQTVCNVELLSQYNGWPLRGEKVIYQVYVNICDDDEGLNP 540  
QY 541 IYSEBQIRLOHEALNEAFSRYSINSMQSYHVQVNSTLRHRVVLNCEPSKIGNDHCDPEC 600  
DB 541 IYSEBQIRLOHEALNEAFSRYSINSMQSYHVQVNSTLRHRVVLNCEPSKIGNDHCDPEC 600  
QY 601 EHEPLTYDGDGCLQRCYSWNRDGLCHVECNMNLNDFDGDCCDPOVADVAKTCFDDP 660  
DB 601 EHEPLTYDGDGCLQRCYSWNRDGLCHVECNMNLNDFDGDCCDPOVADVAKTCFDDP 660  
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DB 661 SPKRAVMSYKELKEALQNSTHFLNTYFASVYEDLAGAATWWDKATVHGLGILSLRA 720  
QY 721 YVGMPEHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVSMETGDLCADTATPPKS 780  
DB 721 YVGMPEHTDTMIHEVGHVGLYHVFKGVSERESCNDPCKETVSMETGDLCADTATPPKS 780  
QY 781 ELCRBEPTSDTGTFRPGAPFTNYSYTDNCTDNFTPNQVARNHCYLDLVYQOWTES 840  
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DB 901 RVCDSGYWTPREAVPDPVDOCPCESLQAMSPVHLHYHNMNVPCPTGSCSLLELFOHP 960  
QY 961 VQADTLTLWTSFFMSSQVLPDTEILLENKESVHLGPLDTCFDPILTKLHVHGKVSQV 1020  
DB 961 VQADTLTLWTSFFMSSQVLPDTEILLENKESVHLGPLDTCFDPILTKLHVHGKVSQV 1020  
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DB 1021 KYTFPERIRIIDAALLTSQPHSLGSGCRPVRYQVLRDPPASGLFVYVTHSHRKTVE 1080  
QY 1081 VYFGQVYQVLAEGAGLGEASPLNHLHGAPYCGDGKVSRLGSECDGDVLSGDSGS 1140  
DB 1081 VYFGQVYQVLAEGAGLGEASPLNHLHGAPYCGDGKVSRLGSECDGDVLSGDSGS 1140  
QY 1141 KYCELEEGNVCYGEPLCYMBEGDGCCEPERKTSIVDQGIYTPKGYLDQMATRAASSHE 1200  
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QY 1261 DEWMLKVCNRRPGEARAFIFLITTDGLVGEHQPFVTLVLTIDVRSNHSLSGTYSLSQH 1320

DB 1261 DEWMLKVCNRRPGEARAFIFLITTDGLVGEHQPFVTLVLTIDVRSNHSLSGTYSLSQH 1320  
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DB 1321 NPLIINTVTHQVNLPHHTTSVLIANFSPPRVGISAVALTSSRTGISA9NCISBEGQNH 1380  
QY 1381 OGOSCIHPKCGKQDSCPSLLDHDVNVCTSGPLMKCATICQGFALQASSGQYIRPM 1440  
DB 1381 OGOSCIHPKCGKQDSCPSLLDHDVNVCTSGPLMKCATICQGFALQASSGQYIRPM 1440  
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DB 1441 QKEILLTSSGHDQNSCLPVDGVPPLSVLVNANFSCSEGTKEFLKRCISICVPKALQ 1500  
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DB 1501 GLSPWLTCLDGLMSLPYCYCKLECDAPPIILNANLLPHCLQDNHVDGTTICKYCKRGY 1560  
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DB 1561 YVASEABGVKRYKLKIQCLEGIMEQSSCI PVCEPBPVPEGMYECTNGFSLDSQCL 1620  
QY 1621 NCNQRREKLPILCTKEGLMTQSFKLCENLQCECPPPEBELNSVEYKCEQYIGAVCSPL 1680  
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DB 1681 CVIPSPDPMPLPENITADTLEHMEPVKQVOSIVCTGRQMHDPVLYVHCIOSCEPFOADG 1740  
QY 1741 WCDTNNRAYCHYDGDCCSSSTLSKVIIPFAODDLDECTCRDKABENQ 1791  
DB 1741 WCDTNNRAYCHYDGDCCSSSTLSKVIIPFAODDLDECTCRDKABENQ 1791  
  
RESULT 4  
US-09-827-998-10  
; Sequence 10, Application US/09827998  
; Patent No. US20020102252A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDMAOP-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aeomica Sequence Listing Engine  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-827-998-10  
  
Query Match 96.5%; Score 9507; DB 3; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1732; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
  
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Db 121 AVEBPAPVWGSPIGQSELLGDDDAYLGNQSKESLGEAGIQKGSAMAAITTTTAFTTL 180  
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Db 181 NEPKETORRGMNAKSRORQVWKRRAEDQGDGSGISHFOPMKSLKRVKSPRESEN 240  
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Db 421 GHGLTVFWSTALPOSHFOHSSQHSSEBEATDVLVTASFEPVNTEWVFPDEKYRLRY 480  
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Db 481 LQGFEBEPIILSPLQPLCGQVCDNVELISQYNGYPLRGEKVIRYQVNI CDDEGLNP 540  
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Db 541 IYSEBQIRLOHALLNAPFRYNI SMQLSYHOVNSTLRHRYVLVNEBPKIGNDHDEPC 600  
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Db 601 BHPILGYDGDGRLQGRCYSNRRDGLCHVECNMNLNDDDDCCDPQADVAKTCFDD 660  
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Db 781 ELCREBEPTSDTCGFRPGAPFTNMSYTDNCTDNFTPNQVAKHCTLDLYOQWTS 840  
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Qy 1681 CVIPSPDPMLEPENTADTLEHMEPVKQSVICTGRQMHDPVLVHCIOGCE 1734  
Db 1681 CVIPSPDPMLEPENTADTLEHMEPVKQSVICTGRQMHDPVLVHCIOGCE 1734

RESULT 5  
US-10-675-685-10  
; Sequence 10, Application US/10675685  
; Publication No. US20040063134A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: PB0114  
; CURRENT FILING DATE: 2003-09-30  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecmca Sequence Listing Engine  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: prt  
; ORGANISM: Homo sapiens  
US-10-675-685-10

Query Match 96.5%; Score 9507; DB 4; length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1732; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MMCLKIILISLAIAGMALCSANSELGWTTRKSLVERHNLQVLLGGERCMIGAVRRPR 60  
Db 1 MMCLKIILISLAIAGMALCSANSELGWTTRKSLVERHNLQVLLGGERCMIGAVRRPR 60  
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Db 121 AVEBPAPVWGSPIGQSELLGDDDAYLGNQSKESLGEAGIQKGSAMAAITTTTAFTTL 180

QY 181 NEKPETORGMWAKSRORQWKRRAEDGSGISGHFQWPKSLKJRVKKSPEEEN 240  
Db 181 NEKPETORGMWAKSRORQWKRRAEDGSGISGHFQWPKSLKJRVKKSPEEEN 240  
QY 241 QNGEGSYBAETFNQVGLPIIYFSGRRELLIREVLAETPREAFYEAANYKPEGON 300  
Db 241 QNGEGSYBAETFNQVGLPIIYFSGRRELLIREVLAETPREAFYEAANYKPEGON 300  
QY 301 NPAILGVFNCSHTYSDKGMALGIRSGDKGRDRFPFSLCTDVKKATILISHRQ 360  
Db 301 NPAILGVFNCSHTYSDKGMALGIRSGDKGRDRFPFSLCTDVKKATILISHRQ 360  
QY 361 PGTWTHAATYDGRHMAIYVDTQVASLDQSGPLNSPFASCRSLLGGSDSEDHYR 420  
Db 361 PGTWTHAATYDGRHMAIYVDTQVASLDQSGPLNSPFASCRSLLGGSDSEDHYR 420  
QY 421 GHILGTIWFNSTALPOSHFQHSQHSSEEBEATDLVLTASFEPVNTWVPREDKYPRLV 480  
Db 421 GHILGTIWFNSTALPOSHFQHSQHSSEEBEATDLVLTASFEPVNTWVPREDKYPRLV 480  
QY 481 LGFEEPERILSLQPLCGQTYCDNVELISQYNGWPLRGEKVIYQVYVNTCDDGILNP 540  
Db 481 LGFEEPERILSLQPLCGQTYCDNVELISQYNGWPLRGEKVIYQVYVNTCDDGILNP 540  
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QY 661 SPBRAVMSYKELKEALQUNSTHFLNTYFASVEDIAGAATWPMDDAATHGIGIYLSRA 720  
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Db 841 RKPTPIPIPMYIGQNKSLITIMWLPISGVYVDASGSLCAGCTDGTFRQYVHTASSR 900  
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Db 901 RVCDSGMYTPEBAVGPDPVDCPCEPSLOAMSPVHLHYHMMNTVPCPTGCSLELFFQHP 960  
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RESULT 6  
US-09-827-998-16  
; Sequence 16, Application US/09827998  
; Patent No. US2002010252A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDIMORF-8  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 16  
; LENGTH: 1385  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-827-998-16  
  
Query Match 74.7%; Score 7363; DB 3; Length 1385;  
Best Local Similarity 77.0%; Pred. No. 0;  
Matches 1379; Conservative 0; Mismatches 6; Indels 406; Gaps 1;  
  
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Db 61 ASPQHLLFGVYPSRAGNLYLPYVGEQIHHTRGSKPTEGNVSLVPPDLTENPAGLRG 120  
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Db 181 NEPDETQRRGMAKSRQRQVWKKRAEDQGDSDGISSHFQWPAGSLKHGVKKSPPRESN 240  
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RESULT 7  
 US-10-675-685-16  
 ; Sequence 16, Application us/10675685  
 ; Publication No. US20040063134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gu, Yizhong  
 ; APPLICANT: Shannon, Mark  
 ; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
 ; FILE REFERENCE: PB0114  
 ; CURRENT APPLICATION NUMBER: US/10/675,685  
 ; CURRENT FILING DATE: 2003-09-30  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; NUMBER OF SEQ ID NOS: 1881  
 ; SOFTWARE: Aecmice Sequence Listing Engine  
 ; SEQ ID NO 16  
 ; LENGTH: 1385  
 ; TYPE: PRP  
 ; ORGANISM: Homo sapiens  
 US-10-675-685-16

Query Match 74.7%; Score 7363; DB 4; Length 1385;  
 Best Local Similarity 77.0%; Pred. No. 0;  
 Matches 1379; Conservative 0; Mismatches 6; Indels 406; Gaps 1;  
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1275 CVIPSPDPVMLPENITATDLTLEHMEPVYQSVICTGRQMHDPVLYNCIOSCEPQADG 1334  
1275 CVIPSPDPVMLPENITATDLTLEHMEPVYQSVICTGRQMHDPVLYNCIOSCEPQADG 1334  
1741 WCDITNNRAYCHYDGDCCSSTLSSKKVIPPAAACDLDBECTCRDPAEBNQ 1791  
1741 WCDITNNRAYCHYDGDCCSSTLSSKKVIPPAAACDLDBECTCRDPAEBNQ 1791  
1335 WCDITNNRAYCHYDGDCCSSTLSSKKVIPPAAACDLDBECTCRDPAEBNQ 1385  
1335 WCDITNNRAYCHYDGDCCSSTLSSKKVIPPAAACDLDBECTCRDPAEBNQ 1385

RESULT 8  
US-09-983-025-25  
; Sequence 25, Application US/09983025  
; Publication No. US20030124529A1  
; GENERAL INFORMATION:  
; APPLICANT: OXVIG, Claus  
; APPLICANT: OVERGAARD, Michael T.  
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)  
; FILE REFERENCE: OXVIG-1A  
; CURRENT FILING DATE: 2001-10-22  
; PRIOR FILING DATE: 2001-10-22  
; PRIOR APPLICATION NUMBER: US 60/241,840  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: DK PA 2000 01571  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patencin version 3.1  
; SEQ ID NO 25  
; LENGTH: 1627  
; TYPE: PRP  
; ORGANISM: Homo sapiens  
US-09-983-025-25  
Query Match  
Best Local Similarity 45.8%; Score 3916.5; DB 3; Length 1627;  
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;  
249 RAETFPNSQVLP--ILYFSGRRELL-LRPEVLAEIPREAFTEAWMYKPEGGNPALI 305  
249 RAETFPNSQVLP--ILYFSGRRELL-LRPEVLAEIPREAFTEAWMYKPEGGNPALI 305  
80 REARGATEPSPSPSALYFSGREQRLRLADL--ELPRDAFTLQVMAREGQSPAVI 137  
80 REARGATEPSPSPSALYFSGREQRLRLADL--ELPRDAFTLQVMAREGQSPAVI 137  
306 AGVFNCSHTVSDKMAALGIRSGDKGRDARFFPSLCTDVKKATILISHRYOPTWT 365  
306 AGVFNCSHTVSDKMAALGIRSGDKGRDARFFPSLCTDVKKATILISHRYOPTWT 365  
138 TGLYKCSYISDRQWVGVIHTISDQNDKDPRIYFSLTIDRAKQVTTINAHRSYIPGQWV 197  
138 TGLYKCSYISDRQWVGVIHTISDQNDKDPRIYFSLTIDRAKQVTTINAHRSYIPGQWV 197  
366 HVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPMAASRSLILGDSSESDGHYRGLHGT 425  
366 HVAATYDGRHMAALYVDGTQVASSLDQSGPLNSPMAASRSLILGDSSESDGHYRGLHGT 425

198 YLAATYDGOEPMKLYVNGAQAVALTSGEVQYGFSPYLOKCKVLMGG--SALNNHYRGYIEH 255  
Qy 426 LVFWSTALPQSHPOHSSQHSGBEADLVLTASFEEVNTWVFPREKTPRLEV--LOG 483  
Db 256 FSLMKVARTREILISDMETHGANTALPOLLOENWMDVVKAMSPMKDGSPEKVEFNSAHG 315  
Qy 484 FEEPELILSPLOPFCQVCDNVELISQYNGVWPLRGEKIRYQOVNICODEBLANTYS 543  
Db 316 FLUD----TSEPLFCQOTLCDNTEVASTNQLSSFPQPKVYKRVNLTJEDDKATTVY 371  
Qy 544 EEOQLQHEALNEAFSRXNISMOLSVQHNSTLRHVVLVNCBPSXIGNDHDCPECEHP 603  
Db 372 REQVDFOHOLAFAKQYINISWELDVLEVSNLSRRLLILANCDISXIGBENCPCECNHT 431  
Qy 604 LTVGDGDDCR--LOGRCXSNRRDGLCHVECCNNMLNDDBDCCDPQVADYRKTCTFDDSP 662  
Db 432 LTHGDGDCRHLRPAVFKQOHNGVCDMDCNYERFNFDGBCDCEITNTVOTCFDDSP 491  
Qy 663 KRAVMSKELKEALQNLNSTHFLNTYFASVREDLAGATWPDKDAVTHLGGIYLSPAY 722  
Db 492 HRAVLVNEIKNLKIDGSTHLNIFPAKSSBEEILAGVATWPDKALMLHGLVLANSPY 551  
Qy 723 GMEGHTDTMHEVGNVLGLYHVEKGVSRSCNDPCKETVPSMETGDLCACTAPTPKSEL 782  
Db 552 GMEGHTDTMHEVGNVLGLYHVEKGVSRSCNDPCKETVPSMETGDLCACTAPTPKSEL 611  
Qy 783 CREPEPISDTCGTFRFGAPFTVNMSTNDCTDNFPPNOVAMHCYLDLVYQOMTESRK 842  
Db 612 CGPBGENDTCGPHSFNFTYNNFMSYADDCTDSFPNOVAMHCYLDLVYQOMTESRK 671  
Qy 843 PTPRIPVWVIGOTNKSLLTIHMLPRISGVVYDRASSSLGACNEDGFRQYVHTASRRV 902  
Db 672 PAFVALPVOYLHTTSSVLEMPRLIDGHEFERLSGACHLCEGRILVQYASNASPMR 731  
Qy 903 CDSGGYWTPEEAVGPDPDQPCBPSLOAMSPEVLYHMANTVPCP--TEGCSLELLEFOHPV 961  
Db 732 CSPSGHMSPREAGHPDVEQPCSSVATWSPNSAVNHTVTPRACPREPGCYLELEFITYL 791  
Qy 962 QADTLILMT--SEFMSSOVLPEDELLNKSXVHLGRLDTCFDIPLITKL--HVDGKVS 1018  
Db 792 VPSLTIWTFVSTDMSSAVNDIKLAVSGKNISLGPONVCDVLTIRLMDVGEVY 851  
Qy 1019 GVKVYFEDERIEIDALLTSQHSPLCSGCRPVRYOULRBPFASSGLPVVYVHTSHRETD 1078  
Db 852 GIDYITLDEHLEIDAMLTSTADTPLCLQCKPLKTKVNRBPLOMDAVSL--HMKRFVD 910  
Qy 1079 VEVTQOMYQOYLAEAGELGEBASPRPLNHIHGAFCYCGDQKVBRLCECDQDGLVSGD 1138  
Db 911 MDLNLGSVYQWYITTSCTESESBSRPAVYTIHGRGYGDDGIIQKQDQEOCDDMKKNIGDG 970  
Qy 1139 CSRYCELEBEGFNCVGEPSLCYMEEGDICEPFRKTSIVDCGIYTPKGYLDQWATRAVSS 1198  
Db 971 CSIFCQOEVSFNCIDERSRCYFHDGDGVCSEFEQKTSIKDCGYVTPGFLDQWASNAVS 1030  
Qy 1199 HEDKXKCPVSLVYGER--HSLICTSYHNDLBNHRPLTCMFPCVASNEUTODRSEQRBGSL 1257  
Db 1031 HOD--QCCPGWVILIGQPAASQVCRTKXVLDSEGISQAHMYCTTISYPSQ----- 1078  
Qy 1258 KKDEWVLKVCNRPGEARAFIFLFTDGLVPEHQOQPTVLTLYLTVRGSNHSLGTGYLS 1317  
Db 1079 LQOTTWLRKXFSQOPWAAVIVHLYTDGYTGDKQKETSIVQLDLTKDOSHDLGLHVLIS 1138  
Qy 1318 COHNPILINVTNHOVLFHHTTSVLLNFSSPRVIGISAVALTSSRIGLSAPNSCISEDEG 1377  
Db 1139 CRNNPLIIPVNLDSQFYSQAVRVSFSSPLVAISGVALRSPDNFDPVLTSSC--QRGET 1197  
Qy 1378 QNHQSGSCIRPGCKDSCSLLLDHDVNCSTI-----GRLMKALITQORFALQASS 1433  
Db 1198 YSFAEBSCVAFACEKD--CELLAVENS--LNCSSSDRYHG--AQCTVSCRTSYVLIQIRR 1252  
Qy 1434 GQYIRPMQ--KEILITCSSGMDQNVSCLPVDCGVDPSPSLVANYANFSCSGTFLKRCSTI 1491  
Db 1253 DBELIKSQGSPSVTVITCTBGNKMKQVACEPVDCSIPOHNVYAASFSCEPRTGFSQCSF 1312

Qy 1492 SCYPKALQGLSPWLTCTLENGELMSLBEVYCKLECDAPPIILANMLPHCLQDNHVDYTI 1551  
Db 1313 QCRHPAQLKKNNSLLCTMEGELMSFPBALCELMCLAPPPVNDLQTRARENKHVGSF 1372  
Qy 1552 CKYCKRGYVVAESAEGKVNKLKIQCLEGGIMEQSGCPVYCEPPPPVPEGVECTNG 1611  
Db 1373 CKYCKRGYVVAESSR--KSKGRAFKYQCTODGSMQEGACVPYVCDPPPPFPHGLYQCTNG 1431  
Qy 1612 FSLDSQCILNCG-----NOBERKPLICTKGLWTOEFKLCENLOGBCPPPSBLNS--VEY 1665  
Db 1432 FQNSECRKICEDSDASQGLGSNVHICRKGDTWNGSFHYQEMQGC--SVFNEINSLYKL 1490  
Qy 1666 KCEQGYIGAVGCPPLCYPPSPDVMLENITADTLEHMEPVYQVSVICTGRQOMHDPV 1725  
Db 1491 QCPDGYAIGSECATSCIDHNSSEIILPMNVYRDIPIHMLPTEVERVYCTAGLKWYHPA 1550  
Qy 1726 LVHACIOSCEPFOADGMCNTINRACVHYDGDCCSSSTLSKVIYFPAADCLD--ECTCRD 1784  
Db 1551 LHVGVGCEPFPMDNVCDAINRPAFCNYDGGDCCSTVTKKVTFFPMSCDLQGDACRD 1610  
Qy 1785 PKAEN 1790  
Db 1611 PQAQEH 1616

RESULT 9  
US-10-295-027-663  
Sequence 663, Application US/10295027  
Publication No. US2003023230A1  
GENERAL INFORMATION:  
APPLICANT: Afar, Daniel  
APPLICANT: Aziz, Natasha  
APPLICANT: Ginsberg, Wendy M.  
APPLICANT: Gish, Kurt C.  
APPLICANT: Glynn, Richard  
APPLICANT: Hevez, Peter A.  
APPLICANT: Mack, David H.  
APPLICANT: Murray, Richard  
APPLICANT: Watson, Susan R.  
APPLICANT: Bos Biotechnology, Inc.  
TITLE OF INVENTION: Methods of diagnosis of Cancer. Compositions and  
FILE OF INVENTION: Methods of Screening for Modulators of Cancer  
FILE REFERENCE: 018501-012500US  
CURRENT FILING DATE: US/10/295,027  
PRIOR FILING DATE: 2002-11-13  
PRIOR APPLICATION NUMBER: US 09/663,733  
PRIOR FILING DATE: 2000-09-15  
PRIOR APPLICATION NUMBER: US 60/350,666  
PRIOR FILING DATE: 2001-11-13  
PRIOR APPLICATION NUMBER: US 60/335,394  
PRIOR FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: US 60/332,464  
PRIOR FILING DATE: 2001-11-21  
PRIOR APPLICATION NUMBER: US 60/334,393  
PRIOR FILING DATE: 2001-11-29  
PRIOR APPLICATION NUMBER: US 60/340,376  
PRIOR FILING DATE: 2001-12-14  
PRIOR APPLICATION NUMBER: US 60/347,211  
PRIOR FILING DATE: 2002-01-08  
PRIOR APPLICATION NUMBER: US 60/347,349  
PRIOR FILING DATE: 2002-01-10  
PRIOR APPLICATION NUMBER: US 60/355,250  
PRIOR FILING DATE: 2002-02-08  
PRIOR APPLICATION NUMBER: US 60/356,714  
PRIOR FILING DATE: 2002-02-13  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1386  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 663  
LENGTH: 1627  
TYPE: PRF  
ORGANISM: Homo sapiens



US-10-295-027-663

Query Match	39.7%;	Score 3916.5;	DB 4;	Length 1627;
Best Local Similarity	45.8%;	Pred. No. 1.4e-289;		
Matches 718;	Conservative 296;	Mismatches 499;	Indels 53;	Gaps 25;

Qy	249	EALEFENSQVLP--LTFESGRREY-LLRPVLAIEIRREAFVTAWKPPGQONPAIT	305
Db	80	REAKGATEEESPSPALYFSGRGEORUKVRADL--ELPRDAFTTLOWLAAEGQSPAVI	137
Qy	306	AGVFDNCSHYVSDKGMALGIRSGDKGRDARFPFLCTDRVKKATILISHRYOPGTWT	365
Db	138	TGLYDKCSYIISGRDGMVVGIIHTISPDNKKDPRYFSLTDRARQYTTINARSYLPQWV	197
Qy	366	HVAATYDORHMAIYVDGTQVASSLDQSGPLSPFMAKRSLLLGDSSEDDGHYFPGHGT	425
Db	198	YLAATYDQFMKLYNGAQVATISGEQVAGIFSPILQKVKLMLGQ--SALMHNRYGYTEH	255
Qy	426	LVFMASTALPOSHFQHSQHSQSGEEBATVLTASLEPNTWEVPRDEKYPRLVEY--LQG	483
Db	256	FSLMKVATQREILSDMTGHANTLRPOLLQEMDNVAKHAMPKQSSKSPFESNNAHG	315
Qy	484	FEPEBEILSPLOPPLCGQTCVNDVELISQYNGWPLRGEKYLRYOVNI CDDEGLNPVS	543
Db	316	FLID---TSLEPPLCGQTLCDNTEVILASYNQSSFRQPKVRYRVNVL YEDDHKNPVT	371
Qy	544	EEQIRLQHEALNEMASRNYINISWQSLSYHYNHSTLRHRVVLNCEPSKTI GNDHCDPECHP	603
Db	372	REQVDFQHQIQAENAKQYINISWELDLVEVSNSSLRRRLILANCDISKIDENCDPECHT	431
Qy	604	LITGYDGDGR--LQGCYSMNRBDQICAHCECNMLMDPFDGDCDPOVADVKECTCPDPS	662
Db	432	LTHGDGGRCHRLRHRAFYKQHGNGCDMDCYBERNPFQGBGCDEIINVTCTCPDPS	491
Qy	663	KRAYSVKELKEBALQNLSTHPLNTIYFASVREBDLAGAATFMDKDAVTHLGIVLSPAY	722
Db	492	HRAVLDVNELKNII LKLDGSTHLLNIFFAKSSSEELAGVATVPMWDEKALMHLGIVLNPFY	551
Qy	723	GMPGHTDMHEVGVGLYHVPFGVSRESCNDPCKETVSMEMGDLCAQAPRPSKL	782
Db	552	GMPGHTDMHEIGSLGLYHVFKRISLISQSCSDCKMETEBSPEFGDLCNDTPNPAKIKS	611
Qy	783	CRREPTSDTCGTFRFPAPFTNWNYSYDDDCNTDFTFNQVARMHCYDLVYQOQWTESRK	842
Db	612	CGDGPGRNDTQGFHSFNTPYNNEMFSYADDCTDTSFTFNQVARMHCYDLVYQOQWPERK	671
Qy	843	PTPIPIRPMVITGQNNKSLITIMWLPISGVVYDRAAGSLCGACTEDGTFRQYVHTASSRV	902
Db	672	PAPALAPQVILGHTTDSVTLMEWFPRIIDHFEEREIGSACHLCEBRILVQVASNASSHP	731
Qy	903	CDSSGYMTPPEAVGPRVDQCEBPSLQAMSPENHLYHNMNTVPCC--TEGSGLELLFOHPV	961
Db	732	CSBPGHMSPRABGHFVDEQCKSSVYKWSFMSAVNPTVPPACDPGQCYLIEFLIYPL	791
Qy	962	QADTLTLMVT--SEFMESSQVLPDTEILLNKESVHLGRLDTCFDIPLTIKL--HYDGKVS	1018
Db	792	VPSLITIMVTSTMDSSGAVNDIKLLAVSGKINSIGAPQVWFCVPLITILMDVGEERY	851
Qy	1019	GVKYYTPPERKLEIDALLITSQPHSLCSGCRPRKYQVLRRDPFASGLFVYVYTHSHKRTD	1078
Db	852	GIQYITLDEHLEIDAAMLTSTADRLPLCQCKPLKXKVVARDPPLQMDVASIL--HNRKRV	910
Qy	1079	VEVPIPGWYQYQVLAAGGELGEASPPNLNTHGAPYCGDGAKSERLEEGCDGLVSDG	1138
Db	911	MDLNLGSYYQWVLTITISGTESEBSPAVTYIHGKGYCDDGIIITQKDQSGQCDMANKINDG	970
Qy	1139	CSKVCELEEGFNVCYBPSLCYMBDGI CEBFERKTSIVDGGIYTPKGYLDQMAITRAYS	1198
Db	971	CSLFCRQEVSNFCIDEPERCFYHDQDGVCEFEQGTSTIKDCGYVTPQGFLLQWASNAVS	1030
Qy	1199	HEDKKKCVSLVLTGER--HSLICTSHRPLPMHRPLTGMFPCVASENEFQODRSEQPEBSL	1257
Db	1031	HQD--QQCGWVYITQAPASQVCRKTVLIDLSGICQAHAMVPTTISIPVSO-----	1078

[illegible]

```

RESULT 10
US-10-783-311-1
, Sequence 1, Application US/10783311
, Publication No. US20050009136A1
, GENERAL INFORMATION:
, APPLICANT: Nixon, Andrew
, TITLE OF INVENTION: PAPP-A LIGANDS
, FILE REFERENCE: 10280-059601
, CURRENT APPLICATION NUMBER: US/10/783,311
, CURRENT FILING DATE: 2004-02-19
, PRIOR APPLICATION NUMBER: US 60/448,515
, PRIOR FILING DATE: 2003-02-19
, NUMBER OF SEQ ID NOS: 394
, SOFTWARE: FastSeq for Windows Version 4.0.
, SEQ ID NO 1
, LENGTH: 1627
, TYPE: PRT
, ORGANISM: Homo sapiens
US-10-783-311-1

```

Query Match	39.7%;	Score 3916.5;	DB 5;	Length 1627;
Best Local Similarity	45.8%;	Pred. No. 1.4e-289;		
Matches 718;	Conservative 296;	Mismatches 499;	Indels 53;	Gaps 25

QY 249 REAETFNSQVLP--ILYSGRRRL-LLRPEVLAEIPREAFTEAWMKPGCGNNPAII 305  
DB 80 REAGATEEPSPSPALFYSGRGEQLRVLRADL--ELPRDAFTLLQVMLEAGGQSRAVI 137  
QY 306 AGVDNCSHTLYSDKGMALGIRSGKDGRDARFFPSLCTDRVKATILLISHRYOPGTWT 365



Db 138 TGLYDCSYISRDRGWVVGIIHTISDQDNKDPYFSLKTRARQVTTINARSGYLPGQW 197  
 Qy 366 HVAATYDGRMALYYDGTQVASSLDQSGPLNSPFPMACSRLLLGDSSEBGGHYFRHGLCT 425  
 Db 198 YLAATYDGGFMKLYVNGAQVATSGEVOGGIFSPLOTCKVLMGG--SALNNHYRGYIEH 255  
 Qy 426 LVFWSTALPQSHFQSHSSGSEBEATDYLVTASFEFVNTBWYFRDEKXPRLV--LOG 483  
 Db 256 FSLMKYAKTORRELSDMETHGAHTALPOLLDQENMDVAKNAMPMDGSSPKVFEFSNAG 315  
 Qy 484 FEDEPILSPLOPLCGQTVCDNVELISQYNGWPLRGEKVIRYOVNVIDCEDEGLNPYS 543  
 Db 316 FLDD-----TSLEPPLCGQTLCDNTEVIASYNQLSFPQKVARVYVNLVEDDHKNPVT 371  
 Qy 544 EEDIRLOHEALNAPFSKYNISNOLSVQVANSILRHVVLVNCPEPKICNDHDCDPGCEH 603  
 Db 372 REGVDDQHQLAFAFQYNISWEILDVLEVNSSLRRLILANCDISKIGENDCPRECNHT 431  
 Qy 604 LTGYDGGDCR--LOGRCYSNMRBDQLCHECNMNLNDDDDCCDPQVADRYKTCFDPDSP 662  
 Db 432 LTHGDDGDCRLHNPFAVYKQHNVCMDMCNRYRPNFDGSECCDPETITVOTCFDPS 491  
 Qy 663 KRAYMSVKELKEALQDNSTHPLNIYFASVREDLAATWPMDKDAVTHLGIVLSPAY 722  
 Db 492 HRAYLDVNELKNILKLDGSTHLNIFPAKSEELAGVATWPMKXALMHLGIVLNPSPY 551  
 Qy 723 GMRGHDTMIEHGVHGLYHVKVYSERESCNDPCKEYVPSNETGDLCAIDTAPTEKSEL 782  
 Db 552 GMRGHDTMIEHGHSLGLYHVFRISEIOSCSDPCMETEPSEFETGDLCDTNPAPKHS 611  
 Qy 783 CEPEPTSDTCGTRFGAFPTNYSMTDNDCTNFTPNOVAMHCLYLDLVYQWTESRK 842  
 Db 612 CGDPRGNDTCGHSFNTPNYNNFMSYADDDCTDFTPNOVAMHCLYLDLVYQWPSRK 671  
 Qy 843 PPIPIPIPVNIGQTNKSLTJHMLPISGVVYDRASSGLCGACTEDGTFROYVHTASSRY 902  
 Db 672 PAVVALAPQVLTGHTDSTVLEWFPPIIDGHPFERBELSACHLEGRILVQYASNASSPM 731  
 Qy 903 CBSGSGWTEBEAVGPRVDVOPCEPSLOANSPEVHLVHMNTVPCP--TEGCSLELLQHPY 961  
 Db 732 CBSGSGMSPREAGHNDVEPCSKSVRTWSPNSAVNPHVTPPACPREPOGCVLELEPL 791  
 Qy 962 QADTLFLWLT--SFMSQVLEFDTLELLENKSVHLGRLDTCDDPLITKL--HVGKYS 1018  
 Db 792 VPESLTIWTFVSTDMSSGAVNDIKLAVSGKNISLGPQNVCPDPLITRLMDVEEYV 851  
 Qy 1019 GVKVYTFDEIRIEIDALLTSQPHSPICSGCRPVRYOVLDRPPASGLPVVVTSHKFTD 1078  
 Db 852 GIGIYTLDEHLEIDAMLTSTADTPLCLOCKPLKYVNDPRLQMDVASIL--HANKFYD 910  
 Qy 1079 VEYTPGQMTQYOVLAAGSLGASPLNHHGAPYCGDGKVSERLGEBCDDGLVSGDG 1138  
 Db 911 MBLNLGVSVOYVWYITISGESESPSAVYIHRGVCBGDIIGKDDQGEQCDMNKINGDG 970  
 Qy 1139 CSAKVCLEBGFNCVPSLCYMWEGDICEPERFKTSYVDCGYTPKGYLDQMATAYNS 1198  
 Db 971 CSIFCQOEVSFNCTIDPSRCYFHDGCVGEFEQKSIKDCGVYTTQGFQDQASNAVYS 1030  
 Qy 1199 HEDKKKCPVSLVTGEE--HSLICTSYHAPDLRNHRPLTGMFPCVASENETODDRSEQEGSL 1257  
 Db 1031 HQD--QCCPGMWIIGQRAAQVCKTKVIDLSEGISQAMWPCITISYYSQ----- 1078  
 Qy 1258 KKEDEWMLKVCENRPEBARLFLFTTDLGVEHQOFTVTLVLDIVRGSNHLGTYGLS 1317  
 Db 1079 LAQTFFMLRAYFSQPMVAALVIVHVTDTGYGDOQKETSIVQLDITKQSHLDGLAHVLS 1138  
 Qy 1318 COHNPILIVNTHQNVLFHHTTSSVLNFSPPRYGSAVALRTSSRIGLAPNSCISEBDG 1377  
 Db 1139 CRKNPILIVVNDLSFPYHSHQAVRVSFSSPLAIVGVALRSDFNPVTLSSC--ORGET 1197  
 Qy 1378 QNHOGQSCITHRPGKODSCPSLLLDHADVNCSTSI-----GPGIMKCAITCORFALQASS 1433  
 Db 1198 YSPABGSCVHPACEKTD--CPRLAVENAS--LNCSSSRHNG--AQCIVSGCRGTGVVLQIR 1252

Qy 1434 GQYIRPMQ--KEILLTSSGHDQNVSLPYDQGVDPBSLVNANFSCSRTGFLKRCST 1491  
 Db 1253 DDEILSYGQPSVYVCTGTGKKNKQVACEPVDISIDHHQVVAASFSCPGTTFGQCSF 1312  
 Qy 1492 SCVPRAKQGLSPMLCTLEDGLMSLPEVYCKLECDAPPIILNANLLPHILODNDHGTI 1551  
 Db 1313 QCRNPQOLKGNNSLLTCEMDGLMFPBALCELMCLAPPPVPAADLOTARCREKHKVGSF 1372  
 Qy 1552 CKYECKPGYVVAESAEGKVNKLLKIQCLEGGIMEQSGCIPVCEBPPPVFEQMYECTNG 1611  
 Db 1373 CKYCKRPGYHVPSSR--KSKQAFKQTQODGSMQGACVPYTCDBPPRFHGLYQCTNG 1431  
 Qy 1612 FSLDSCQVLC-----NQRBKPLICTEKGTLTQFKECENLQSGCPRPESLNS--VEY 1665  
 Db 1432 FQNSBCRIKCEDSDASQGLGNSVNHCRDXGTWNGSFHVCQEQGOC--SVPMELNSNLK 1490  
 Qy 1666 KCEQGYGIGAVCSPLCIVIPSPDPVMLPENITADTLEHMMEPYKOSIVCTGRROHMPDV 1725  
 Db 1491 QCPDGYAISBCATSTCIDHNSBSIILPMNVYRDIPLHMLNPTREKVVCTAGLKMYPHPA 1550  
 Qy 1726 LVHICQSCPPQADGWCDTINNRAYCHYDGDCCSSTLSSKKVYIPRAUCDDLD--ECTCRD 1784  
 Db 1551 LTHCVGCEPFGMDNVCDAIINNRACNYDGGDCSTVTKKVTTPRPMSCDILQGDACGR 1610  
 Qy 1785 PKAEN 1790  
 Db 1611 PQAEN 1616

## RESULT 11

US-10-741-600-1406  
 ; Sequence 1406, Application US/10741600  
 ; Publication No. US20050026169A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; FILE REFERENCE: CL001499  
 ; CURRENT APPLICATION NUMBER: US/10/741,600  
 ; CURRENT FILING DATE: 2003-12-22  
 ; NUMBER OF SEQ ID NOS: 73997  
 ; SOFTWARE: PaedSeq for Windows Version 4.0  
 ; SEQ ID NO 1406  
 ; LENGTH: 1627  
 ; TYPE: PR1  
 ; ORGANISM: Homo sapiens  
 US-10-741-600-1406

Query Match 39.7%; Score 3916.5; DB 5; Length 1627;

Best Local Similarity 45.8%; Pred. No. 1.4e-289;

Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

Qy 249 REAEFTNSQVGLP--ILYFSGRRRL--ILRPVLAIPREAFVEMVYBEGONNPATII 305  
 Db 80 REARGATEPSPSRALYFSGREQRLVRLADL--ELPRDAFTLQVWLAEGQKSPAVI 137  
 Qy 306 AGVFNDNSHTVSDKMGALGIRSGDKGKRDARFFSLCTDRYKKAITLISHRYOPGTW 365  
 Db 138 TGLYDCSYISRDRGWVVGIIHTISDQDNKDPYFSLKTRARQVTTINAHNSYLPQGW 197  
 Qy 366 HVAATYDGRMALYYDGTQVASSLDQSGPLNSPFPMACSRLLLGDSSEBGGHYFRHGLCT 425  
 Db 198 YLAATYDGGFMKLYVNGAQVATSGEVOGGIFSPLOTCKVLMGG--SALNNHYRGYIEH 255  
 Qy 426 LVFWSTALPQSHFQSHSSGSEBEATDYLVTASFEFVNTBWYFRDEKXPRLV--LOG 483  
 Db 256 FSLMKYAKTORRELSDMETHGAHTALPOLLDQENMDVAKNAMPMDGSSPKVFEFSNAG 315  
 Qy 484 FEDEPILSPLOPLCGQTVCDNVELISQYNGWPLRGEKVIRYOVNVIDCEDEGLNPYS 543  
 Db 316 FLDD-----TSLEPPLCGQTLCDNTEVIASYNQLSFPQKVARVYVNLVEDDHKNPVT 371

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Qy 544 BEQIRLOHEALNEAFSRYNISMQLSVHOYHNSTLRHRVVLVNCBPSKIGNDHCDECEHP 603
Db 372 RQOVDFQHNQOLAEAFQYNIISWELDYLBVSNSLRRLILANCDISKIGDENCDEPCNHT 431
Qy 604 LTYGSGDCR-LQGRCYSWNRBDGLCHVECNMNLDPDDGCCDPQVADVKTCTCPDPSR 662
Db 432 LTHGDCGRHLRHPAFVKQKHNGVCDMDCNVERFNFPGEGCCDEBITVWTQCFDPDSR 491
Qy 663 KRAYMSVKEIKALQJNSTHPLNIYFASVREDLAGAATWPMKDVAVTHLGGIVLSPAY 722
Db 492 HRAVLDVNLKNIILKIDGSTHNLIFPAKSSSEELGAVATWPMDEKALMHGIVLNPSEY 551
Qy 723 GMRGHTDTHIEHGVHGLYHVFKGVSERESCNDPCKETVPSMETDGLCADTAPTPKSEL 782
Db 552 GMRGHTHMHIEHGLSHGLYHVRGISELQSCSDPCMETERPSETDGLCNDTPAPKHS 611
Qy 783 GSEPEFTSDTCGTRFPGAPFTNYMSYTDNCTDNFTNQVAMHCYLDLVYQWTERSK 842
Db 612 GDBPGNDTCGHSFPNTFYNNFMSYADDDCTDSFTPNQVAMHCYLDLVYQWQPSRK 671
Qy 843 PPRIPRPVNIQOTNKSILTIHMLPRISGVYVDRASSLGACETEDTFRQYVHTASSRV 902
Db 672 PAPVALAPVOLGHTTDSVTLEWPPPIDGHFERELGSACHLCLEGRILVQVSNASSPMP 731
Qy 903 CDSGWTPEBAVGPDPVQPCPSLQAWSPEVHLXHMNTVPCP-TEGCSLELFPQHPV 961
Db 732 CSPSGHMSPREABGHNDVBPCKSSVRTSPNSAVPHVTPRPCCCYLELELYL 791
Qy 962 QADTLTLMWT-SFEMESSQVLFDTBILLENKESVHLGPLDTFCDIPLTIKL-HVDKYS 1018
Db 792 VBESLTIWTFTVSTDWSSGAVNDIKTLAVSGKNISLQPNVQCDVPLTRIAMDVEEYV 851
Qy 1019 GKVVYTFDERIETDALLTSQHSPLCSGCRPVRYQVLAADPPASGLPVVYVTHSHKFTD 1078
Db 852 GIQITLHLETDALMLTSTADTPLCLCKPLKYVADBPLOMVASIL-HLNKRPVD 910
Qy 1079 VEVTPGOMTQOYVLAEAGELGEBASPLNHIHGAAPYCGGKYSERLGEBCDDGLVSGDG 1138
Db 911 MQLNLSGVQYVWITTSIGTBESRSPAVYIHRGRCGCGIIOKDOGEGCDDMNKINGG 970
Qy 1139 GSKVCELEBGPNCVGPSPSLCYMEGDCICEPPEKRTSIYDCGIYTPKGYLDOMATRAYS 1198
Db 971 GULFCQOEVSFNCIDPESRCYFHDGDGVEBEFOKTSIXDCGYVTPQGLDQMASNAYS 1030
Qy 1199 HEDKKKCPVSVTGER-HSLICTSHRPLBNHRPLTGWPPCVASHEMTDDBSEQEBGL 1257
Db 1031 HOD-QQCPGWIIGORPASQVCKTXVILSEGISQHAMYPCTISYPSQ----- 1078
Qy 1258 KEDEWMLKVCENRPGEBARAIPIFLTJTDGLVPEHQOQPTVTLYLTDVRSNHSIAGYGLS 1317
Db 1079 LAQTFMRLAYFSQPMVAANVIVHLVTDGTYGDKQETISVOLJDTKXSHDLGLHVLVS 1138
Qy 1318 CQHNPLIIVNTHQNVLFHHTTSVLNFPSPRYGISAVALRTSSRIGLSAPNSCISEDEG 1377
Db 1139 CERNPLIIPVVDLSQPFYHSAVRVSPSSPLAIVGVALRSFNDPVTLSLSC-ORGET 1197
Qy 1378 QNHQGSCTHRRPGKXDCPSLLIDHADVYVNCSTI-----GRLMKCAITQGRFALQAS 1433
Db 1198 YAPAESCVHFAECKTD-CPELAVENAS-LNCSSSRVYHG--AQCTVSCRTGYVLIQIRR 1252
Qy 1434 GQYIRPMQ--KEILLTSSGMDONVSCLPVDCGVDPSPILVNYANFSGSEGTFLRCSI 1491
Db 1253 DBELIASQGRPSVTYVCTGEGKNKQVACERVDCSIDHNOVYASGSEBGTTFSGQCF 1312
Qy 1492 SCVPRAKLOGLSPWLTCLBEGWLSLEVVYCKLECDARPIILANMLLPHCLDNDHVGIT 1551
Db 1313 QCRHPRQOLKGNNSILTCMEDGLMSPEALCELMCLAPRPVADLQJACREKHKVGSF 1372
Qy 1552 CYECCRPQYVNASAGKRNKLKIQCLEBGTWBGSCIPVYCGEPPRPVEEMMYCTNG 1611
Db 1373 CYKCKRPGYHVPSSR-KSKKRAFQCTQODSGWOGACVPVYCDPPPFHGLYCTCTG 1431
Qy 1612 FSLDSQCVLNC-----NQBREKRLPICTKXGLWTQFKLCENLQSCPPPPSELNS-VEX 1665

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Db 1432 FQFNSECRKKEBDSASQGLGNSVHCKRKGWMSFHVQGBMQGC-SVPEHLSNMLK 1490
Qy 1666 KCEGIGIGAVCSPLCVIPSPVNLPENITADTLEHMEPRVQSVITVGRORHPDV 1725
Db 1491 QCPDVAIGSECATSCLDHNSIESILIPMNVTYRDI.PHMLNPRVRVYCTAGLKYVPHRA 1550
Qy 1726 LVHICSGCPQADQWCDPTINNRAYCHYGGGCSSTLSKKVYIPPAACDD-D-ECTGRD 1784
Db 1551 LTHCYKGEPPFMGNDYCDAINRAFCNDGDCCTSTYTKVTFPPMSCDLQSDCACAD 1610
Qy 1785 PRAEEN 1790
Db 1611 POAQBH 1616

RESULT 12
US-10-991-321-32
; Sequence 32, Application US/10991321
; Publication No. US20050112675A1
; GENERAL INFORMATION:
; APPLICANT: Kochen, Jarema Peter
; APPLICANT: Robinaki, James Andrew
; TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
; FILE REFERENCE: 21742 US1
; CURRENT APPLICATION NUMBER: US/10/991,321
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 1627
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-991-321-32

Query Match
Best Local Similarity 39.7%; Score 3916.5; DB 5; Length 1627;
Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;

249 REAETPNQGVLP--ILYFSGRERL-LRPEVLAIEPREATVEAWKVEGQNNPPI 305
Db 80 REARATEBPSPSPBALYFSGRGEQLRVLRADL--ELPRDAETTLQVWLRAEGQSPAVI 137
Qy 306 AGVFNQSHTVSDKGMALGIRSGDKGKRDARFFSLCTDRYKKAATILSHSRYPGTWT 365
Db 138 TGLYDKCSTISDRKRWVGIIHTISQDNKDPFYFSLKTDRAQVTTIAHNSYLRGQVY 197
Qy 366 HVAATYDGRHMLYYDGTQVASSLDQSGPLNSPMAACRSLLLGDSSEGHYFRGHIGT 425
Db 198 YLAATYDQFMKLYYNGAQVATSGEYVGGIFSPLOKCKVLMLG--SALNHNRYGYIBH 255
Qy 426 LVFNSTALRQSHFQSSQHSSEBEATDLVLTASEPVPVTEVPPRDEKYPLEV--LOG 483
Db 256 FSLMYKARQREILSDMEHGHNTAL.POLLQENMDVNGHAWSPMKDSSPVEYNSNAG 315
Qy 484 FEPPELISPLQPLCGQVCDNVELISQYNGWYPLRGEKVRYQVYVNCDEGLNPYVS 543
Db 316 FLID-----TSEPLCGGQTLCDNTEVIASYNOLSSFRQKVRKYRVNVLXEDHKNPTVT 371
Qy 544 BEQIRLOHEALNEAFSRYNISMQLSVHOYHNSTLRHRVVLVNCBPSKIGNDHCDECEHP 603
Db 372 RQOVDFQHNQOLAEAFQYNIISWELDYLBVSNSLRRLILANCDISKIGDENCDEPCNHT 431
Qy 604 LTYGSGDCR-LQGRCYSWNRBDGLCHVECNMNLDPDDGCCDPQVADVKTCTCPDPSR 662
Db 432 LTHGDCGRHLRHPAFVKQKHNGVCDMDCNVERFNFPGEGCCDEBITVWTQCFDPDSR 491
Qy 663 KRAYMSVKEIKALQJNSTHPLNIYFASVREDLAGAATWPMKDVAVTHLGGIVLSPAY 722
Db 492 HRAVLDVNLKNIILKIDGSTHNLIFPAKSSSEELGAVATWPMDEKALMHGIVLNPSEY 551
Qy 723 GMRGHTDTHIEHGVHGLYHVFKGVSERESCNDPCKETVPSMETDGLCADTAPTPKSEL 782

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Db 552 GMBGHTHTMHEIGHSLGLYHVFREGISEIQSCSDPCMETERPEFETGDLANDTNPAKHK 611  
 Qy 783 CREPEPTSDTCGFTFRPGAFPTNYMSTYDNCITDNFNPNOVAMHCYLDLYVOQMTERSK 842  
 Db 612 GDBPGENDTCGFHSFNTYNNFMSYADDDCTDSFPNPVARRHCYLDLYVOQMORSK 671  
 Qy 843 PTPPIPPMVIIGOTNKSLLTIHMLPRISGVVYDRAASGLCACTEDGFRQYVHTASSRRV 902  
 Db 672 PAVVALAPQYLGHITTSVTLEMPRIIDGHRFERISGACHLCLEGRLLVOYASNASSPMP 731  
 Qy 903 CDSGWTPEEAVGPPVDQPCBSLSQAMSPVHLYMMNTVPCP-TEGCSLELLFQHPV 961  
 Db 732 CSPSGHMSPREAEGHPVEQPCSSSVTWSPNSVNHVTPPACBPFGCYELELEFLXPL 791  
 Qy 962 QADTLTLMWT--SPEMSSQVLFDTLELLNKESVHLGPRDTCIDPLTKL-HYDKVS 1018  
 Db 792 VPESLTIWTFVSTDMSSGAUNDIKLAVSGKNISLGPQNVPCDVELTIRLMDVGEVY 851  
 Qy 1019 GVKVYTFEDERIEIDALLTSQPSPLCSGCRPVYQVLDPPFASGLPVVYTHSHKFTD 1078  
 Db 852 GIGIYTLDEHLEIDAMLTSTADTPLCLOCKPLKYKVRDPPLOMVASIL-HLNRKFD 910  
 Qy 1079 VEVTPGMYOYVLAERGELGASPRLNHIGAPYCGDKVSEBRLGEECDGDGLVSGD 1138  
 Db 911 MDLNLGSVYQWYITISGTESESPSPAVTYIHGRYCGDGI IQKQGEQCDNMKNLNGDG 970  
 Qy 1139 CSKVCLEBEGFNVCBPSLCYMEGDCICPFERKTSYVDCGITYTKGYLDOMATAYSS 1198  
 Db 971 CSIFCQOEVSFNCDIDBSRCYFHDGQVCEFEOKTISIKCGYTTDGFIDQMASNAYS 1030  
 Qy 1199 HEDKKCPVSLVGEPR-HSLICTSYHDPNHRPLMGPCPVASENETODRSEQDEBGL 1257  
 Db 1031 HDQ-QCCPGMVIIGQRAASQVCTKYIDLSBGISQAHMPTCTTSTYPSQ----- 1078  
 Qy 1258 KXEDVWLKVCENRPEBARAIFILTTDGLVPEHQPTVLYLTVDRGSHSLGTYGUS 1317  
 Db 1079 LAQTFMLRAYFSQPMVAIVLHVLTDTGYDQKQETISVQLDLOKSHDLGLHVLVS 1138  
 Qy 1318 CQNNPLIINVTHQNLVFNHTTSVLANFSSPRVIGISAVALKTSRSLGLAPSNCISEBDS 1377  
 Db 1139 CRNNPLIIPVNDLSOPFYHSQVNRVSSPLVAIGVALRSFNDPVTLSGC-ORGRF 1197  
 Qy 1378 QNHQSGSCIRPCKODSCPSLLLDHADVYNTCTSI-----GPGMKCAITCORFALQASS 1433  
 Db 1198 YEPABSCCHFAFACKTD-CPELAVENAS-LNCSSSPRYHG--AQCTVSCRTIYVLQINR 1252  
 Qy 1434 GOYIRPMQ--KEILLTSSGMDQVNSCLPVDGVPDPSLVNYANFSCSBEFTLRCST 1491  
 Db 1253 DBELIKSQTGPSTVYVCTEGKMKKQVACEPVDCSIPIDHQVYASFSCEBGTTFSGQCF 1312  
 Qy 1492 SCYPRAKLOGLSFWLTCLEBDGLSLPEVYCKLECDARPIILNANLLPHCLQDNHDVGT 1551  
 Db 1313 QCRNHPQOLGNNLSLTCMEBDGLMSPEALCELMCLAPRPVADLOJARCREKHKVGSGF 1372  
 Qy 1552 CKYECRGYVVAESAAGKVRNKLKLOCLEGIBWEGSGCIPVYCEBPBPVPEBMYECSNG 1611  
 Db 1373 CKYCKRGYHVPSSR-KSKKRAFKQCTODSGWQACVPCDPPRPFHGLYQCTNG 1431  
 Qy 1612 FSLDSQCVLNC-----NOERBEKLPILCTYKGLMTQEFKLCENLQGBCPPEPSELANS-VBY 1665  
 Db 1432 FQNSBCRIKCEBDSASOGIGSVNHCXRDGTWNGSFHYQCEMQGC-SVPNINLNSLKL 1490  
 Qy 1666 KEEQYIGIAGVSPLCVIRPSPDPMLENTLADTLEHMMEPVKVQSVICTGRROHPDPV 1725  
 Db 1491 QCPDGAISSECTSLDHNSESIILPMNVYVADIDHMLNPTFEVERVYCTAGLKWPHRA 1550  
 Qy 1726 LVHXCISCPFOADGMDITINRAYGYHGDGCSSTLSSKVIIPRAADCDLD-ECTCPD 1784  
 Db 1551 LHHCVAGCEPFMGNDYCDAINNAPFADYGDGDCISTVTKKVTTPPMSCDLQGDACARD 1610  
 Qy 1785 PRAEEN 1790  
 Db 1611 POAQBH 1616

RESULT 13  
 US-10-887-229A-8  
 ; Sequence 8, Application US/10887229A  
 ; Publication No. US20050148509A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: DAKE, BRIAN  
 ; APPLICANT: BOOTH, BARBARA  
 ; APPLICANT: BOES, MARY  
 ; APPLICANT: BAR, ROBERT S.  
 ; TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY  
 ; FILE REFERENCE: IOWA:049US  
 ; CURRENT APPLICATION NUMBER: US/10/887,229A  
 ; CURRENT FILING DATE: 2004-07-08  
 ; PRIOR APPLICATION NUMBER: 60/538,000  
 ; PRIOR FILING DATE: 2004-01-21  
 ; PRIOR APPLICATION NUMBER: 60/485,846  
 ; PRIOR FILING DATE: 2003-07-09  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 8  
 ; LENGTH: 1627  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-887-229A-8  
  
 Query Match 39.7%; Score 3916.5; DB 5; Length 1627;  
 Best Local Similarity 45.8%; Pred. No. 1,4e-289;  
 Matches 718; Conservative 296; Mismatches 499; Indels 53; Gaps 25;  
  
 Qy 249 REAEFTNSGVLP--ILYSGRRERL-LRPEVLAIEPREATVEAMKRECGONNPAII 305  
 Db 80 REARGATEBSPSPRALYFSGRGEQLRLRADL--ELPRDAFTLQVWLAEQGSRAVYI 137  
 Qy 306 AGVFNDCSHTVBDKMGALGIRSGDKGRDARFPFSLCTDRYKKAFTILSHSRQGTMT 365  
 Db 138 TGLYDKCSYISDRGKGVGSIHTISDDNKPPIYFSLKTDRAKQVTTIAHRSYLPQNV 197  
 Qy 366 HVAATYDGRHMLYYDGTQVASSLDQSGPLNSPFMASSCSLLLAGDSSSDGHYFRHGLT 425  
 Db 198 YLAATYDQGMFLYVNGAQAATSGEYVGSIFSLPKQKVLMLGG--SALNNHYRGIH 255  
 Qy 426 LVFWSTALPQSFQSSQHSSEBEATDLVLTASFEVPNTVEVPPREDEKYPLEYV--LOG 483  
 Db 256 FSLMKVARTQRIILSDMETHGAHTALPOLLOENMDNVGHAMSFMKDGSSPYEFESNAG 315  
 Qy 484 FEPBEELISPLPPLCGQTVCDNVELISOYNGYWPRLRGKIVRYQVYVNCDEGLNPIYS 543  
 Db 316 FLDD---TSLERPLOGGTLCDNTEVIASYNQLSSFRQPKVVRVYVNLVEDDHKNPIYT 371  
 Qy 544 BEQIRLOHEALNEASRYNISWQLSVHGVHNSLTLRHVVLVVANCSEPSKIGNDCEPECER 603  
 Db 372 REQVDPOHNOQLAEAKQYNISWEILDVLEVSNSLRRRLILANCDLSKIDBNCDEPCNHT 431  
 Qy 604 LTYGGGDCR-LQGCYSWNRDGLCHVECNMNLNDPDDGDCDPQVADVRTCTCDPDSF 662  
 Db 432 LTHDGGDCRHLRHAFAVYKQCHNGVCDMDCNTERENFPQGECCDDEITVNTQTCFDPDSF 491  
 Qy 663 KRAYMSYVEIKBALQNLNTHPLNIYFASSVREDLAAGATWMPDKXAVNTHIGTIVSPAY 722  
 Db 492 HDAVLDVVELKNILKLDGSTRNLITFPAKSSBEELAGVATWPKDALMHLGGIIVNPSY 551  
 Qy 723 GMBGHTMTMHEVGVGLYHVFKEVSRRESQNDPCKETVPSEMETGDLCAADTAPTPKSEL 782  
 Db 552 GMBGHTMTMHEIGHSLGLYHVFREGISEIQSCSDPCMETERPEFETGDLANDTNPAKHK 611  
 Qy 783 CREPEPTSDTCGFTFRPGAFPTNYMSTYDNCITDNFNPNOVAMHCYLDLYVOQMTERSK 842  
 Db 612 GDBPGENDTCGFHSFNTYNNFMSYADDDCTDSFPNPVARRHCYLDLYVOQMORSK 671  
 Qy 843 PTPPIPPMVIIGOTNKSLLTIHMLPRISGVVYDRAASGLCACTEDGFRQYVHTASSRRV 902

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Db      672 PAPVALAPVLGHTTDSVTLWEFPIIDGHFERELGSACHLCLEGRILVQYASNASSPMP 731
Qy      903 CDSGWTPEEAVGPBDVPOCPERSIQANSPEVHLVHMMTVPCP--TEGCSLELFGHNV 961
Db      732 CSPSGHMSREABGHNDVEQPCSSVTRTSPNSAVNPHTVPRACPCYCLELELYDL 791
Qy      962 QADTTLWMT--SFEMSSQVLFDTIELLENKESVHLGFLDTCDFPLTIKL-HVDGKS 1018
Db      792 VESLTIWTFVSTBMDSSGAVNDILAVSGKISLGGQNVQCDVPLTIRLMDVEEYV 651
Qy      1019 GVKVTFEDERIEIDAAVLTSPHSPLCSGCRPVRYOVLDRPPASGLPVVVTSHRKKFMD 1078
Db      852 GIQIYTLDEHLEIDAAVLTSTADTPLCLQCKPLKYKVVADPPLQMDVASIL-HLNKKFYD 910
Qy      1079 VEVTOGQWYOYVLAEAGBELGASPLMHNHGAPVCGGKXSERIGECCDDGLVSGDG 1138
Db      911 MNLNLSGVYOYVWITISGTEESPSPAVITYIHGRGCGSGIILQKDGECDDMNKINGG 970
Qy      1139 CSKVCLEBGFNCVCGPESLCTMYEGDICEPERKTSIYDCGIYTPKGYLDQWATPAYS 1198
Db      971 CGLFCRQEVSNFNCIDPESKCFHFDGQVCEBEPQKTSIDCGVYTPQGLDQMASAYS 1030
Qy      1199 HEDKKKCPVSLVTGER-HSLICTSYHPDLPHNRPLTGWPFCVASENETQDDBSBOEGSL 1257
Db      1031 HQD-QQCPGMVILIGQPAASQVCKTKVILDESGISQHAMYPCTISYPSQ----- 1078
Qy      1258 KKEDEWMLKVCNRPBGAIRIFELTDGLVGEHOPTVLYLTDVRSNHSIGTYGS 1317
Db      1079 LAGTFWMLAYPSPQVAAVIVHLYTDGYGDQETISVOLDTKQSHDLGHLVLS 1138
Qy      1318 COHNPILINVTNHQNVLFHTTSSVLNLFSSPRVIGISAVALLRTSSRIGLSAPNSCISEBG 1377
Db      1139 CANNPILIVNDLSQPFYHSAQVAVSFSPALVAGVALLRSFNDPVTLSGC-QRGRT 1197
Qy      1378 QNHQSGCSHPRPCGKODSCPSLLDHADVNTCTI---GPGIMKCAITQCRFALQASS 1433
Db      1198 YAPBAQSCVHFAKCEKT-CPELAVENAS-LNCSSSDRYHG---AQCTVSCRTGYVLQIR 1252
Qy      1434 GQYIRMO--KEILLTSSGHDQNVSCLPVDCGVDPBLSVNVANSSCEGTKELRCSI 1491
Db      1253 DDELTKSQGSPVTVCTGCKMKNQVACBPVDSIDPHQVAAVSCEGTFSQCSF 1312
Qy      1492 SCVPKALQGLSPMLTCLBGLWSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTI 1551
Db      1313 QCRHAPQLKGNNSLITCMEBGLMFPBALCELMCLAPRPVPAADLTACREKHKVGSF 1372
Qy      1552 KYECKPQYVYVABSAEGKVRNKLKIQCLEGGIWEQSGCTPVCEPBPVFBGMECTNG 1611
Db      1373 CKYCKPQYHVGSSR-KSKKAFAKTCQCTODGSMQACVAVTCDPBPFFGLYQCTNG 1431
Qy      1612 FSLDSQCVLNC-----NOREKRLPILCTEGMLTQFCKLCEMLQGECPPEPSELNS-VBY 1665
Db      1432 FQPNBSCRKCKEDSDASQGLGNSVHCRDGTWNGSFHVCOEMQGC-SVPELNLNLKL 1490
Qy      1666 KEEQGGIGAVCSPLCVIPSPDVMLENITADTLEHMMEPVQSIIVCTGRQWHPDV 1725
Db      1491 QCPBDGAISSECATSLDHNSESIILPMVTVARDIHMNLPRVERAVCTAGAKWPHRA 1550
Qy      1726 LVHGISCEPPOADGWCDTIINRAYCHYDGGCCSSVTLSSKVIIPRADCDLD-ECTCRD 1784
Db      1551 LTHCVGCEPFGMDNYCDAIINRAFCNYDGGDCSTVTKTKVTPPMSCDLQGDGACRD 1610
Qy      1785 PKAEN 1790
Db      1611 POAEN 1616

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; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; PRIOR FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2

Query Match      39.7%; Score 3914.5; DB 5; Length 1547;
Best Local Similarity 46.1%; Pred. No. 1.8e-289;
Matches 714; Conservative 295; Mismatches 490; Indels 51; Gaps 24;

Qy      263 LYFSGRERT-LRPEVLAIEIPREAFTEAWKPEGGNNPAIINGVFNCSHTVSDKM 321
Db      16 LYFSGRGLRVLRADL-ELPRDAFTLQWMLAEGQSPAVITGLYDKCYISRDRM 73
Qy      332 ALGIRSGDKGRDARFPESLCTDRVKATLILSHRYQPTGTVAAATYDGRHMLAYD 381
Db      74 VGIHTISDQDKDPRYFSLKTDRAQVTTINARSYLPQGMVYLAATYDQFMKLTVN 133
Qy      382 GTQVASSLDQSGPLSPFMACSRLLIGDSSDEGHHYFRGHGLTVLWFTALPOSHFQHS 441
Db      134 GAQVATSGEQVGISPLTKQCKVLMGQ--SALNNKRYGTEHFSLMVARTQREILSD 191
Qy      442 SOHSGEEBATVLTASPEPVTEWVPRDEKYPRLVY--LQGEPEPEILSPLOPPLC 499
Db      192 METHGANTHALPOLLIQEMWMDVYKHAMSPKQSSPKVEFSNAGHLDD----TSLPEPLC 247
Qy      500 GQTCVNDVELISQYNGVWPLRGEKVIROYVNI CDEGLNPIVSEQIRLOHEALNEAFS 559
Db      248 GQTLCDNTEVLASYNQSLSFQRPKVVRVYVNLVEDDHKNPTVTREQVDFQHQLAEAFK 307
Qy      560 RYNIWQSLVYAHVNSTLRHVVLYNCEPSKIGNHCPRECHPLTGVDDGDCR-LQGRG 618
Db      308 QYNIWELDLVEVSSSLRRRLILANCDISKIDNCPCECHMTLLTGHDGSCRHILRHA 367
Qy      619 YSMNRDGLCHEVCNNMLNDFDGDCCPOVADVKECTCPDPSPKRAYMSVELKEALQL 678
Db      368 FYKQHGVCMDCYBERNFPGEGECDBEINVTCTCPDPSPHRAYLDVNLKNIKL 427
Qy      679 NSTHEPLNIYFASVREDLAGAATWMDXAVTHLGIVLSPAYYGMFGHTTWIHEGVH 738
Db      428 DGSYHLNIFFAKSSSEELAGVATWMDKEALMHLGIVLNPFGYGMFGHTTWIHEIGHS 487
Qy      739 LGLVYFPGVSRBESCNBPCKETVSMETGDCADTAPRKSELGRBEPRTSDTGGFTRF 798
Db      488 LGLVYFGRISIIQSCDPCMETEBSFETGDCNDTNPAKPKKSGDPEPGNDTGGFHSF 547
Qy      799 PCAPFTNYSYTDNDCTNFTNQVARMHCYLDLYVQWTESSRKPTPIPIPMVIGQTNK 858
Db      548 FNTFYNNFMSYADDDCTBSFTNQVARMHCYLDLYVQWTESSRKPTPIPMVIGQTNK 607
Qy      859 SLTIHMLPEISGVVYDRASGLCGACTEDGTRQYVHTASSRRVDCSGYMTPEEAVGP 918
Db      608 SVTLEWFPPIIDGHFERELGSACHLCLEGRILVQYASNASSPMPSPSGHMSPREABGH 667
Qy      919 DVDQCEBPSLQWSPEVHLVHMMTVPCP--TEGCSLELFGHNVQADTTLWMT--SFM 975
Db      668 DVEQPCSSVTRTSPNSAVNPHTVPRACPCYCLELELYDLVPESTLTIWTFVSTDW 727
Qy      976 ESSQVLPFTIELLENKESVHLGFLDTCDFPLTIKL-HVDGKSVGKVVTFPERIEIDAA 1034
Db      728 DSSGAVNDIKLAVGSKNISLQPOVFCVPLTILMDVGEVYGIQIYTLDEHLEIDAA 787
Qy      1035 ILTSQPHSPULCSGCRPVRYOVLDRPPASGLPVVVTSHRKKFTDVEVTPGQWYOYVLAE 1094

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RESULT 14
US-10-783-311-2
; Sequence 2, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
; APPLICANT: Nixon, Andrew

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Db      788 MLTSTADTPILOCKPLKRYKVRDPLQMDVASIL-HLNRKFVMDLNLGVSQYVWITI 846
Qy      1095 AGGEIGBSPRLMHINHGAPYCGDKVSEBGEEDDDDLVSGGCSRYCELEGGFNVGE 1154
      847 SGTEBSPSPAVYTIHGRYCGGIGITQKDGSEQDDMNKNGGCSJFCQOEVSFNCLDE 906
Qy      1155 PSLCYMEGDIQCEPERFKSTIVDCGITYPKGYLDQWATRAVSGSHEDKKCPVSLVGP 1214
      907 PSRCYFHDGQVEEFPQKTSIKDCGYTTPQGLDQASNAVSXHD-QQCFGVITIGOP 965
Qy      1215 -HSLICTSYHPLD-PNHRPLTGMPPCVASENETODDRSEDEGLKKEDEVWLKVCENRPG 1273
      966 AAGQVCKTKVIDISEGISQHAMYPCTISYPSQ-----LAQTFWMLAVFSQPM 1014
Qy      1274 EBARIFPLTDDGVGHEHQPTVTLVLTVRGSHNSLGTGYSQGNPLIIVTHQNV 1333
      1015 VAAAVVHVLVDGYGQKQETISVQLDTKQSHDLGHLVSCRNNPLIIVVDLSQ 1074
Qy      1334 LFNHTTSLVLFSSPRVIGISAVALLRTSSRIGLSAPSNCISDEEGQNHQGGSCIRPQKQ 1393
      1075 PFYHQAQVAVRSPSSPLVAISGVALRSPDNDPVTLSSC-ORGETYSPAEQSCVHFACETK 1133
Qy      1394 DSCPSLLDLHADVYVCTSI---GPGIMKCAITCORGFALQASGOYIRPMQ--KEIILT 1447
      1134 D-CPELAVENAS-LNCSSSDRYHG---AQTVCRCRGYVLQIRRDELLIKSQTGPSVTY 1188
Qy      1448 CSSEGHNDQVSCIPYDCGVDESLVYANFSCSEGTFLKRGISCPYPAKLOGLSPWLT 1507
      1189 CTEGKNNKQVACBPVNCISIPDHQVYAAFPSCEGTFFGSCSFQCRHPAQLKGNNSLLT 1248
Qy      1508 CLEDEGLMSLPEVYCKLECDAPRIILNANLLPHCLDNDHVGITCYKECKRGVYVASEA 1567
      1249 CMEDGMSPEPFLCELMCLAPRPVYNADLOTARCREKHKVGSFCYKCKCPGYNHVGSSR 1308
Qy      1568 GKRYNKLKIQCLEGGIWEQSCIPVYCEBPPEVFEAGVECTNGFSLDSQCVLNC----- 1622
      1309 -SKSKAPFKIOCTQDQSGWEGACVAPYTCDBPPEPKFGIVQCTNGFQFNSCRICKEDSDA 1367
Qy      1623 NQEREKPLICTEKGIMTQEFKCEMLQGECEPPEBELNS-VYKKEQGYIGAVCSPLC 1681
      1368 SQGLGSNVHCRDXGTMGNSFHVCEMGOQC-SVPNELNSNLKLCQCPDGAIGSECATGC 1426
Qy      1682 VLPSPDVMLENITADTLEHMMEPYKQSIYCTGRQNHPPDVLVHNCIOSCEPQADQM 1741
      1427 LDHNSSTIILPMNVYTRDIPMLNPLTRVERVCTAGLKMYPHPALHCVKAGCEPFGMDNY 1486
Db      1742 CDTNNRAYCHYDGGDCSSSTLSSKVIIPFADCDLD-ECTCRDPRAEEN 1790
      1487 CDAINRAFQYDGGDCCTSTYVTKVTFPPMSCDLQGDCAQCRDPAQEH 1536

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RESULT 15
US-10-450-763-41497

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; Sequence 41497, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Cnucem
; SEQ ID NO 41497
; LENGTH: 1752
; TYPE: PRF
; ORGANISM: Homo sapiens

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; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (632)..(643)
; OTHER INFORMATION: Neutral zinc metalloproteinase zinc-binding region proteins.
; OTHER INFORMATION: domain identified by eMBLtrix, accession number BL00142, p-values
; OTHER INFORMATION: 6.62e-10, raw score of 8.38
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1288)..(1544)
; OTHER INFORMATION: Sushi domain (SCR repeat) domain identified by Pfam,
; OTHER INFORMATION: accession name sushi, E-value=2.6e-18, Pfam score of 74.3
US-10-450-763-41497

Query Match      39.7%; Score 3909.5; DB 5; Length 1752;
Best Local Similarity 45.8%; Pred. No. 5,2e-289;
Matches 717; Conservative 294; Mismatches 502; Indels 53; Gaps 25;

Qy      249 REAETNSQVGLP--LTYFSGRERL-LRPEVLAIPREAFVEMVREGONNPAT 305
      153 REARGTBEPSPSRALYFSGKEQLRVLRADI--ELPRDAFTLQWLRAGEQSPAYI 210
Db      306 AGVFNCSHTVSDKGNALGIRGKDKGRDARFFPSLCTDRVYKATILISHRYQPGTW 365
      211 TGLYDKCSYISDRGVVGIHITISDQNDQPRYFSLKTDRAQVTTIANHASYLEGQVY 270
Qy      366 HYAATYDGHMALLYDGTQVASSLDQSGPLNSPMAACSLILGSDSDEGHYFRGHLC 425
      271 YLAATYDGGFMKLYNAGQVATSGEQVGIFSPLOTCKCYMLIGG--SALNHYRGYIEH 328
Qy      426 LVFWSTALPQSHFQSSQHSGBEELTDLVLASPEPVTEVPPFDEKYPLEV--LQG 483
      329 FSLMKVARTQREILSDMETHGHTALPOLLENDMNVNHAASPMKDGSPKVEFSNANG 388
Qy      484 FEPPEELISPLQPLCGQTVCNVELISQYNGWYPLRGEKVIARYOVANICDDEGLNPY 543
      389 FLDD-----TSLPPLCGQTLCDNTEVIASYNQLSSFRQKVIARYVNLIEDHKNIPYT 444
Qy      544 EQQIRLOHEALNEASRYNISWQSYHOVYHNSLTNRVVLVNCBPSKIGNDHCEPEHP 603
      445 REQVDFQHQLEAFQYVNIWELDVLVSNSSLRRLRLILANCDISKIDENCDEPCNHT 504
Qy      604 LTVGDDGDCR--LQGRCYSNRRDGLCHVECNMMLDPPDQDCDPOVALVARKTCPPD 662
      505 LTHGDSGDRKHLHPAFVKKQNGVCDMDCNTERFDFGECDDPEITNVOTCFEPD 564
Qy      663 KRAYMSVKEIKBALQINSTHPLNIYFASVREDLAAGAAWPMWDKAVTHAGIVSPAY 722
      565 HRAVLDVNEKLKILKLDGSTHNLNIPFAKSSBEELAGVATWPMDEKALMGLGIVLNPSY 624
Qy      723 GMPGHTMIHEVGHVGLYHVFQGVSEKSCNDPCKETVPSMETGDLCADTAAPPKSEL 782
      625 GMPGHTMIHEIGSLGLYHVFGRISLQSCSDPCMETEPSEFTGDLCDNTPAPKHS 684
Qy      783 CREPPTSGTGFTRPQAPPTNNWSTYNDNTDFTPNQVARMICYLDLYVQWTESEK 842
      685 GSDPBGNDTCGFHFPNTPNNFWSYADDDCTDFTPNQVARMICYLDLYVQWPSRK 744
Qy      843 PPIPIPPNVIGIQTKSLTIHMLPISGVYVYRASGLSCAGTDEGTFQYVHTASRRV 902
      745 PAVVALAQVGLHTDSTVLTLEWFPITDGHFFRELGSAHCLBERRILVQVYASNNSSPMP 804
Qy      903 CDSGYWTPBEAVGPPVDQCEPSLQAMSPVHLHYHNMVTPCP--TEGCSIELLFQHEV 961
      805 CSPSGHWSPREAEGHPDVEQPCSKSVTPASVAPHTVPAPCADEPQCYLEFLYPL 864
Qy      962 QADTLTLWVT--SPFMSSQVLFQREILLNKESYHGLDPLDFCQIPLTLK--HYDGYS 1018
      865 VPESLTIWTFVSTWDSSGAANDIKLLAVSGSKNISLPQVNVFCVPLTIRLMDGEEY 924
Qy      1019 GVKVYTFPERIEIDALITLQSPHSLGSGCPVRYQVLRDPPFASGLPVVYVTHSRKFTD 1078
      925 GIQIYTLDBHLEIDAAMLTSTADTPLCLQCKRFLKVVVRDPLQMDVASIL-HLNRKFV 983

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:31:45 : Search time 13 Seconds  
(without alignments)  
1297.823 Million cell updates/sec

Title: US-09-983-025b-2\_COPY\_234\_1791

Perfect score: 1558

Sequence: 1 SPPEBSNNGGSGSYREAF.....AADCDDECTCRDPKAEHQ 1558

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 75621 seqs, 10829074 residues

Word size : 5

Total number of hits satisfying chosen parameters: 6977

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Listing first 500 summaries

Database : Published Applications AA New:\*

1: /cgn2\_6/prodata/1/pubppa/US06\_NEW\_PUB pep:\*\n2: /cgn2\_6/prodata/1/pubppa/US07\_NEW\_PUB pep:\*\n3: /cgn2\_6/prodata/1/pubppa/PCT\_NEW\_PUB pep:\*\n4: /cgn2\_6/prodata/1/pubppa/US09\_NEW\_PUB pep:\*\n5: /cgn2\_6/prodata/1/pubppa/US10\_NEW\_PUB pep:\*\n6: /cgn2\_6/prodata/1/pubppa/US11\_NEW\_PUB pep:\*\n7: /cgn2\_6/prodata/1/pubppa/US60\_NEW\_PUB pep:\*\n8: /cgn2\_6/prodata/1/pubppa/US60\_NEW\_PUB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	1.2	1637	6	US-10-821-234-1283
2	7	0.4	103	7	US-11-194-246-412
3	7	0.4	136	6	US-10-793-626-1852
4	7	0.4	169	6	US-10-467-657-2258
5	7	0.4	205	7	US-11-165-067A-47
6	7	0.4	250	6	US-10-454-437-388
7	7	0.4	286	7	US-11-166-412-219
8	7	0.4	305	7	US-11-080-091-13
9	7	0.4	305	7	US-11-087-177-11
10	7	0.4	306	7	US-11-166-412-220
11	7	0.4	320	6	US-10-995-561-947
12	7	0.4	320	6	US-10-844-035-1
13	7	0.4	372	6	US-10-995-561-948
14	7	0.4	373	6	US-10-995-561-946
15	7	0.4	385	6	US-10-995-561-945
16	7	0.4	385	6	US-10-995-561-949
17	7	0.4	385	6	US-10-793-626-552
18	7	0.4	447	7	US-11-076-163-1
19	7	0.4	447	7	US-11-166-412-52
20	7	0.4	457	6	US-10-131-826A-236
21	7	0.4	467	6	US-10-467-657-2612
22	7	0.4	488	6	US-10-821-234-1654
23	7	0.4	488	7	US-11-186-284-121
24	7	0.4	821	7	US-11-087-227-90
25	7	0.4	821	7	US-11-087-227-90

26	7	0.4	871	7	US-11-109-157A-10	Sequence 10, App1
27	7	0.4	917	6	US-10-493-909-76	Sequence 76, App1
28	7	0.4	917	6	US-10-493-909-87	Sequence 87, App1
29	7	0.4	1103	7	US-11-109-157A-9	Sequence 9, App1
30	7	0.4	1857	7	US-11-102-217-2	Sequence 2, App1
31	7	0.4	2333	6	US-10-453-372-170	Sequence 170, App1
32	7	0.4	2662	6	US-10-453-372-114	Sequence 114, App
33	7	0.4	2724	6	US-10-453-372-148	Sequence 148, App
34	7	0.4	2733	6	US-10-453-372-136	Sequence 136, App
35	7	0.4	2733	6	US-10-453-372-142	Sequence 142, App
36	7	0.4	2733	6	US-10-453-372-146	Sequence 146, App
37	7	0.4	2733	6	US-10-453-372-150	Sequence 150, App
38	7	0.4	2733	6	US-10-453-372-154	Sequence 154, App
39	7	0.4	2759	6	US-10-453-372-168	Sequence 168, App
40	7	0.4	2765	6	US-10-453-372-116	Sequence 116, App
41	6	0.4	9	7	US-11-136-079-445	Sequence 445, App
42	6	0.4	12	7	US-11-145-861-296	Sequence 296, App
43	6	0.4	14	7	US-11-128-059-14	Sequence 14, App1
44	6	0.4	17	6	US-10-509-292-51	Sequence 51, App1
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53	6	0.4	28	6	US-10-509-292-45	Sequence 45, App1
54	6	0.4	37	6	US-10-957-351-179	Sequence 179, App
55	6	0.4	44	6	US-10-957-887B-291	Sequence 291, App
56	6	0.4	48	7	US-10-467-657-4280	Sequence 4280, Ap
57	6	0.4	49	6	US-11-019-711-57	Sequence 57, App1
58	6	0.4	56	7	US-11-000-463-433	Sequence 433, App
59	6	0.4	56	7	US-11-000-463-905	Sequence 905, App
60	6	0.4	64	6	US-10-986-501-135	Sequence 135, App
61	6	0.4	72	7	US-11-198-847-77	Sequence 77, App1
62	6	0.4	77	7	US-11-123-896-350	Sequence 350, App
63	6	0.4	80	7	US-11-043-752-47	Sequence 47, App1
64	6	0.4	90	6	US-10-467-657-8196	Sequence 8196, Ap
65	6	0.4	91	6	US-10-505-263-74	Sequence 74, App1
66	6	0.4	97	7	US-11-000-463-908	Sequence 908, App
67	6	0.4	102	6	US-10-667-295-43	Sequence 43, App1
68	6	0.4	103	6	US-10-485-788B-665	Sequence 665, App
69	6	0.4	103	7	US-11-053-076-28	Sequence 28, App1
70	6	0.4	104	6	US-10-689-742-206	Sequence 206, App
71	6	0.4	105	6	US-10-793-626-158	Sequence 158, App
72	6	0.4	107	7	US-11-123-896-269	Sequence 269, App
73	6	0.4	117	6	US-10-131-826A-442	Sequence 442, App
74	6	0.4	120	6	US-10-467-657-6982	Sequence 6982, Ap
75	6	0.4	120	6	US-10-467-657-7938	Sequence 7938, Ap
76	6	0.4	122	6	US-10-821-234-1239	Sequence 1239, Ap
77	6	0.4	123	6	US-10-467-657-6978	Sequence 6978, Ap
78	6	0.4	124	6	US-10-467-657-7022	Sequence 7022, Ap
79	6	0.4	131	6	US-10-667-295-37	Sequence 37, App1
80	6	0.4	131	6	US-10-467-657-3792	Sequence 3792, Ap
81	6	0.4	136	5	US-09-978-360A-744	Sequence 744, App
82	6	0.4	139	7	US-11-156-084-88	Sequence 88, App1
83	6	0.4	141	6	US-10-667-295-42	Sequence 42, App1
84	6	0.4	143	6	US-10-467-657-1802	Sequence 1802, Ap
85	6	0.4	147	6	US-10-485-517-343	Sequence 343, App
86	6	0.4	150	7	US-11-156-084-80	Sequence 80, App1
87	6	0.4	153	6	US-10-821-234-1086	Sequence 1086, Ap
88	6	0.4	155	5	US-09-978-360A-456	Sequence 456, App
89	6	0.4	157	6	US-10-401-386B-64	Sequence 64, App1
90	6	0.4	157	6	US-10-401-386B-66	Sequence 66, App1
91	6	0.4	157	6	US-10-401-386B-68	Sequence 68, App1
92	6	0.4	157	6	US-10-401-386B-70	Sequence 70, App1
93	6	0.4	157	6	US-10-401-386B-76	Sequence 76, App1
94	6	0.4	157	6	US-10-401-386B-78	Sequence 78, App1
95	6	0.4	157	6	US-10-401-386B-80	Sequence 80, App1
96	6	0.4	158	7	US-11-055-822-948	Sequence 948, App
97	6	0.4	158	7	US-11-156-084-84	Sequence 84, App1
98	6	0.4	159	6	US-10-821-234-1321	Sequence 1321, Ap

99	6	0.4	161	7	US-11-214-371-2	Sequence 2, Appl1	172	6	0.4	285	7	US-11-055-822-1118	Sequence 1118, Ap
100	6	0.4	162	6	US-10-667-295-132	Sequence 132, App	173	6	0.4	286	7	US-11-063-343-22	Sequence 22, Appl
101	6	0.4	162	6	US-10-454-437-336	Sequence 336, App	174	6	0.4	288	7	US-11-135-855-30	Sequence 30, Appl
102	6	0.4	163	7	US-11-156-084-133	Sequence 133, App	175	6	0.4	290	7	US-11-082-389-416	Sequence 416, App
103	6	0.4	165	6	US-10-793-626-306	Sequence 306, Ap	176	6	0.4	292	6	US-10-467-657-2590	Sequence 2590, Ap
104	6	0.4	176	7	US-11-128-059-72	Sequence 72, Appl	177	6	0.4	292	7	US-11-071-062-5	Sequence 5, Appl1
105	6	0.4	178	6	US-10-667-295-131	Sequence 131, App	178	6	0.4	294	6	US-11-074-176-34	Sequence 34, Appl
106	6	0.4	184	6	US-10-667-295-130	Sequence 130, App	179	6	0.4	295	6	US-10-793-626-2998	Sequence 2998, Ap
107	6	0.4	185	6	US-10-453-372-896	Sequence 896, App	180	6	0.4	299	6	US-10-131-826A-366	Sequence 366, App
108	6	0.4	189	6	US-10-873-528-15	Sequence 15, App	181	6	0.4	299	7	US-11-000-463-275	Sequence 275, App
109	6	0.4	194	6	US-10-453-372-894	Sequence 894, App	182	6	0.4	299	7	US-11-000-463-747	Sequence 747, App
110	6	0.4	195	7	US-11-186-284-175	Sequence 175, App	183	6	0.4	299	7	US-11-000-463-748	Sequence 748, App
111	6	0.4	196	7	US-11-153-880-5	Sequence 5, Appl1	184	6	0.4	299	7	US-11-173-037-7	Sequence 7, Appl1
112	6	0.4	196	7	US-11-064-774A-135	Sequence 125, App	185	6	0.4	300	6	US-10-667-295-117	Sequence 117, App
113	6	0.4	196	7	US-11-211-724-3	Sequence 3, Appl1	186	6	0.4	300	7	US-11-025-834A-21	Sequence 21, Appl
114	6	0.4	197	6	US-10-821-234-1295	Sequence 1295, Ap	187	6	0.4	302	6	US-10-667-295-116	Sequence 116, App
115	6	0.4	197	6	US-10-714-887-134	Sequence 134, App	188	6	0.4	302	6	US-10-467-657-4028	Sequence 4028, Ap
116	6	0.4	197	7	US-11-082-389-136	Sequence 136, App	189	6	0.4	302	7	US-11-156-084-345	Sequence 345, App
117	6	0.4	203	6	US-10-453-372-890	Sequence 890, App	190	6	0.4	303	7	US-11-135-855-31	Sequence 31, Appl
118	6	0.4	211	5	US-09-978-360A-534	Sequence 534, App	191	6	0.4	304	6	US-10-467-657-506	Sequence 506, App
119	6	0.4	211	6	US-10-965-972-1	Sequence 1, Appl1	192	6	0.4	313	7	US-11-166-412-228	Sequence 228, App
120	6	0.4	211	7	US-11-186-284-22	Sequence 22, Appl	193	6	0.4	314	7	US-11-129-143-98	Sequence 98, Appl
121	6	0.4	211	7	US-11-075-400-18	Sequence 18, Appl	194	6	0.4	314	7	US-11-156-084-286	Sequence 286, App
122	6	0.4	212	6	US-10-793-626-1628	Sequence 1628, Ap	195	6	0.4	315	6	US-10-453-372-212	Sequence 212, App
123	6	0.4	212	6	US-10-793-626-1966	Sequence 1966, Ap	196	6	0.4	316	6	US-10-667-295-115	Sequence 115, App
124	6	0.4	214	6	US-10-878-556A-183	Sequence 183, App	197	6	0.4	318	6	US-10-131-826A-374	Sequence 374, App
125	6	0.4	214	6	US-11-067-425A-73	Sequence 73, Appl	198	6	0.4	318	7	US-11-021-305-168	Sequence 168, App
126	6	0.4	216	6	US-10-821-234-984	Sequence 984, App	199	6	0.4	319	6	US-10-793-626-2268	Sequence 2368, Ap
127	6	0.4	217	7	US-11-186-284-165	Sequence 165, App	200	6	0.4	323	6	US-10-821-234-981	Sequence 981, App
128	6	0.4	217	7	US-11-056-408-12	Sequence 12, Appl	201	6	0.4	326	6	US-10-485-517-306	Sequence 306, App
129	6	0.4	218	6	US-10-453-372-892	Sequence 892, App	202	6	0.4	328	6	US-10-131-826A-326	Sequence 326, App
130	6	0.4	218	7	US-11-082-389-318	Sequence 318, App	203	6	0.4	328	7	US-11-149-403-9	Sequence 9, Appl1
131	6	0.4	220	7	US-11-156-084-136	Sequence 136, App	204	6	0.4	328	7	US-11-152-697-4	Sequence 4, Appl1
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133	6	0.4	227	6	US-10-467-657-2594	Sequence 2594, Ap	206	6	0.4	331	6	US-10-467-968-61	Sequence 61, Appl
134	6	0.4	230	6	US-10-667-295-86	Sequence 86, Appl	207	6	0.4	331	7	US-10-467-657-2442	Sequence 2442, Ap
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136	6	0.4	230	7	US-11-108-172-1060	Sequence 1060, Ap	209	6	0.4	336	6	US-11-099-691-8	Sequence 8, Appl1
137	6	0.4	232	7	US-11-128-059-66	Sequence 66, Appl	210	6	0.4	338	6	US-10-914-165-37	Sequence 37, Appl
138	6	0.4	236	7	US-11-125-295-7	Sequence 7, Appl1	211	6	0.4	338	6	US-10-793-626-2868	Sequence 2868, Ap
139	6	0.4	237	6	US-10-454-437-180	Sequence 180, App	212	6	0.4	338	6	US-10-467-657-8208	Sequence 8208, Ap
140	6	0.4	242	5	US-10-821-234-1186	Sequence 1186, Ap	213	6	0.4	344	6	US-10-467-657-2616	Sequence 2616, Ap
141	6	0.4	242	6	US-09-978-360A-626	Sequence 626, App	214	6	0.4	346	6	US-10-793-626-2034	Sequence 2034, Ap
142	6	0.4	242	6	US-10-506-443A-71	Sequence 71, Appl	215	6	0.4	347	6	US-10-873-528-20	Sequence 20, Appl
143	6	0.4	244	6	US-10-453-372-214	Sequence 214, App	216	6	0.4	350	6	US-10-454-437-280	Sequence 290, App
144	6	0.4	245	7	US-11-186-284-167	Sequence 167, App	217	6	0.4	350	6	US-11-214-199-25	Sequence 25, Appl
145	6	0.4	248	7	US-11-054-515-1403	Sequence 1403, Ap	218	6	0.4	355	6	US-10-467-657-7996	Sequence 7996, Ap
146	6	0.4	249	7	US-11-054-515-1440	Sequence 1440, Ap	219	6	0.4	359	7	US-11-123-013-6	Sequence 6, Appl1
147	6	0.4	249	6	US-10-467-657-932	Sequence 932, App	220	6	0.4	360	7	US-11-052-554A-376	Sequence 376, App
148	6	0.4	251	7	US-11-055-822-892	Sequence 892, App	221	6	0.4	361	6	US-10-131-826A-352	Sequence 352, App
149	6	0.4	255	6	US-10-454-437-150	Sequence 150, App	222	6	0.4	362	7	US-11-082-389-418	Sequence 418, App
150	6	0.4	255	6	US-10-454-437-152	Sequence 152, App	223	6	0.4	363	7	US-11-054-281-120	Sequence 120, App
151	6	0.4	256	7	US-11-054-515-1285	Sequence 1285, Ap	224	6	0.4	364	6	US-10-793-626-1827	Sequence 2628, App
152	6	0.4	258	6	US-10-793-626-170	Sequence 170, App	225	6	0.4	366	7	US-11-156-084-116	Sequence 137, App
153	6	0.4	259	7	US-10-793-626-1614	Sequence 1614, Ap	226	6	0.4	369	7	US-11-024-955-485	Sequence 485, App
154	6	0.4	259	7	US-11-082-389-266	Sequence 266, App	227	6	0.4	371	6	US-10-454-437-250	Sequence 250, App
155	6	0.4	259	7	US-11-000-463-275	Sequence 276, App	228	6	0.4	371	7	US-11-120-398-118	Sequence 118, App
156	6	0.4	262	7	US-11-156-084-112	Sequence 112, App	229	6	0.4	372	7	US-11-024-955-352	Sequence 362, App
157	6	0.4	267	7	US-11-056-408-4	Sequence 4, Appl1	230	6	0.4	374	7	US-11-000-463-453	Sequence 453, App
158	6	0.4	268	7	US-11-056-408-14	Sequence 14, Appl	231	6	0.4	379	5	US-09-978-360A-506	Sequence 506, App
159	6	0.4	269	6	US-10-821-234-1308	Sequence 1308, Ap	232	6	0.4	380	6	US-10-467-657-6760	Sequence 6760, Ap
160	6	0.4	270	6	US-10-467-657-5806	Sequence 5806, Ap	233	6	0.4	380	6	US-10-525-674-28	Sequence 28, Appl
161	6	0.4	273	7	US-11-152-366-50	Sequence 50, Appl	234	6	0.4	383	7	US-11-155-516A-2	Sequence 2, Appl1
162	6	0.4	274	6	US-10-467-657-1454	Sequence 1454, Ap	235	6	0.4	383	7	US-11-155-516A-29	Sequence 29, Appl
163	6	0.4	277	6	US-10-667-295-85	Sequence 85, Appl	236	6	0.4	386	6	US-10-131-826A-340	Sequence 340, App
164	6	0.4	278	6	US-10-667-295-85	Sequence 1746, Ap	237	6	0.4	386	7	US-11-185-878-2	Sequence 2, Appl1
165	6	0.4	279	7	US-11-082-389-264	Sequence 264, App	238	6	0.4	387	7	US-11-099-135-1	Sequence 1, Appl1
166	6	0.4	279	7	US-11-056-408-13	Sequence 13, Appl	239	6	0.4	387	7	US-11-139-425-5	Sequence 5, Appl1
167	6	0.4	280	7	US-11-071-062-3	Sequence 3, Appl1	240	6	0.4	389	6	US-10-527-500-5	Sequence 5, Appl1
168	6	0.4	281	6	US-10-967-648A-12	Sequence 12, Appl	241	6	0.4	389	6	US-11-000-463-316	Sequence 316, App
169	6	0.4	281	6	US-10-883-512-90	Sequence 90, Appl	242	6	0.4	392	6	US-10-957-569-35	Sequence 35, Appl
170	6	0.4	284	7	US-11-056-408-10	Sequence 10, Appl	243	6	0.4	393	6	US-10-527-500-7	Sequence 7, Appl1
171	6	0.4	285	7	US-11-082-389-324	Sequence 324, App	244	6	0.4	394	7	US-11-055-822-1094	Sequence 1094, Ap



245	6	0.4	394	7	US-11-043-752-2	Sequence 2, Appl1	318	6	0.4	524	7	US-11-118-809-4	Sequence 4, Appl1
246	6	0.4	396	6	US-11-125-295-11	Sequence 11, Appl	319	6	0.4	527	7	US-11-010-239-83	Sequence 83, Appl
247	6	0.4	397	6	US-10-467-657-4202	Sequence 4202, Ap	320	6	0.4	529	7	US-11-174-150-46	Sequence 46, Appl
248	6	0.4	400	6	US-10-485-517-317	Sequence 317, App	321	6	0.4	529	7	US-11-210-316-28	Sequence 28, Appl
249	6	0.4	405	6	US-10-517-939-132	Sequence 132, App	322	6	0.4	533	6	US-10-453-372-22	Sequence 230, App
250	6	0.4	407	6	US-11-125-295-9	Sequence 9, Appl1	323	6	0.4	533	6	US-10-453-372-232	Sequence 232, App
251	6	0.4	411	6	US-10-467-657-8252	Sequence 8252, Ap	324	6	0.4	536	6	US-10-453-372-6	Sequence 6, Appl1
252	6	0.4	415	6	US-10-467-657-7774	Sequence 7774, Ap	325	6	0.4	536	6	US-10-453-372-22	Sequence 22, Appl
253	6	0.4	421	6	US-10-453-372-220	Sequence 220, App	326	6	0.4	536	6	US-10-453-372-24	Sequence 24, Appl
254	6	0.4	422	6	US-10-467-657-212	Sequence 212, App	327	6	0.4	536	6	US-10-453-372-26	Sequence 26, Appl
255	6	0.4	422	6	US-10-467-657-6516	Sequence 6516, Ap	328	6	0.4	536	6	US-10-453-372-28	Sequence 28, Appl
256	6	0.4	422	6	US-10-714-887-222	Sequence 222, App	329	6	0.4	536	6	US-10-453-372-30	Sequence 30, Appl
257	6	0.4	422	7	US-11-022-562-234	Sequence 234, App	330	6	0.4	539	6	US-10-821-234-1567	Sequence 1567, Ap
258	6	0.4	429	7	US-11-071-062-9	Sequence 9, Appl1	331	6	0.4	541	7	US-11-118-885-26	Sequence 26, Appl
259	6	0.4	432	6	US-10-454-437-140	Sequence 140, App	332	6	0.4	541	7	US-11-010-239-95	Sequence 95, Appl
260	6	0.4	432	7	US-11-055-822-184	Sequence 184, App	333	6	0.4	542	6	US-10-453-372-12	Sequence 12, Appl
261	6	0.4	432	7	US-11-194-246-308	Sequence 308, App	334	6	0.4	543	6	US-10-858-730-221	Sequence 221, App
262	6	0.4	436	6	US-10-467-657-7728	Sequence 7728, Ap	335	6	0.4	544	6	US-10-821-234-889	Sequence 889, App
263	6	0.4	436	7	US-11-116-939-9	Sequence 9, Appl1	336	6	0.4	552	6	US-10-453-372-14	Sequence 14, Appl
264	6	0.4	437	6	US-10-453-372-438	Sequence 438, Appl	337	6	0.4	552	6	US-10-453-372-234	Sequence 234, App
265	6	0.4	437	7	US-11-061-869-13	Sequence 13, Appl	338	6	0.4	552	6	US-10-453-372-236	Sequence 236, App
266	6	0.4	437	7	US-11-194-246-324	Sequence 324, App	339	6	0.4	552	6	US-10-453-372-238	Sequence 238, App
267	6	0.4	437	7	US-11-197-721-11	Sequence 11, Appl	340	6	0.4	552	6	US-10-453-372-240	Sequence 240, App
268	6	0.4	438	6	US-10-650-326B-9	Sequence 9, Appl1	341	6	0.4	552	6	US-10-453-372-242	Sequence 242, App
269	6	0.4	438	7	US-11-024-959-342	Sequence 342, App	342	6	0.4	552	6	US-10-453-372-244	Sequence 244, App
270	6	0.4	439	7	US-11-000-463-788	Sequence 788, App	343	6	0.4	552	6	US-10-453-372-246	Sequence 246, App
271	6	0.4	439	7	US-11-080-991-18	Sequence 18, Appl	344	6	0.4	552	6	US-10-453-372-248	Sequence 248, App
272	6	0.4	444	7	US-11-074-176-170	Sequence 170, App	345	6	0.4	552	6	US-10-453-372-250	Sequence 250, App
273	6	0.4	445	6	US-10-453-372-2	Sequence 2, Appl1	346	6	0.4	556	6	US-10-613-744-8	Sequence 8, Appl1
274	6	0.4	446	7	US-11-082-389-316	Sequence 316, App	347	6	0.4	556	6	US-10-453-372-210	Sequence 210, App
275	6	0.4	449	7	US-11-071-062-1	Sequence 1, Appl1	348	6	0.4	556	7	US-11-124-368B-303	Sequence 303, App
276	6	0.4	449	7	US-11-196-459-1	Sequence 1, Appl1	349	6	0.4	558	7	US-11-080-991-62	Sequence 62, Appl
277	6	0.4	449	7	US-11-196-459-2	Sequence 2, Appl1	350	6	0.4	560	7	US-11-080-991-74	Sequence 74, App
278	6	0.4	456	6	US-10-763-712A-44	Sequence 44, Appl	351	6	0.4	563	6	US-10-966-483-25	Sequence 25, Appl
279	6	0.4	458	6	US-10-763-712A-32	Sequence 32, Appl	352	6	0.4	563	7	US-11-021-441-9	Sequence 9, Appl1
280	6	0.4	458	7	US-11-069-642-3	Sequence 3, Appl1	353	6	0.4	563	7	US-11-113-224-18	Sequence 18, Appl
281	6	0.4	460	7	US-11-076-163-5	Sequence 5, Appl1	354	6	0.4	565	6	US-10-485-517-300	Sequence 300, App
282	6	0.4	460	7	US-11-166-412-68	Sequence 68, Appl	355	6	0.4	572	6	US-10-453-372-16	Sequence 16, Appl
283	6	0.4	461	6	US-10-989-649-1	Sequence 1, Appl1	356	6	0.4	574	6	US-10-507-275-7	Sequence 7, Appl1
284	6	0.4	462	7	US-11-197-721-13	Sequence 13, Appl1	357	6	0.4	574	6	US-10-770-726-50	Sequence 50, Appl
285	6	0.4	463	6	US-10-531-844-1	Sequence 1, Appl1	358	6	0.4	574	6	US-10-966-483-31	Sequence 31, Appl
286	6	0.4	466	7	US-11-010-239-20	Sequence 20, Appl	359	6	0.4	574	7	US-11-021-441-15	Sequence 15, Appl
287	6	0.4	467	7	US-11-000-463-452	Sequence 452, App	360	6	0.4	577	7	US-11-082-389-1134	Sequence 134, App
288	6	0.4	467	7	US-11-000-463-924	Sequence 924, App	361	6	0.4	581	6	US-10-966-483-27	Sequence 27, Appl
289	6	0.4	467	7	US-11-000-463-925	Sequence 925, App	362	6	0.4	581	6	US-10-966-483-29	Sequence 29, Appl
290	6	0.4	471	7	US-11-024-959-399	Sequence 399, App	363	6	0.4	581	7	US-11-021-441-11	Sequence 11, Appl
291	6	0.4	475	7	US-11-061-869-15	Sequence 15, Appl	364	6	0.4	583	6	US-11-021-441-13	Sequence 13, Appl
292	6	0.4	477	6	US-10-524-647-118	Sequence 118, App	365	6	0.4	583	6	US-10-880-881-10	Sequence 10, Appl
293	6	0.4	479	7	US-11-152-366-48	Sequence 48, Appl	366	6	0.4	588	6	US-10-453-372-8	Sequence 8, Appl1
294	6	0.4	485	6	US-10-793-626-1346	Sequence 1346, Ap	367	6	0.4	588	6	US-10-453-372-12	Sequence 12, Appl
295	6	0.4	485	7	US-11-165-211-47	Sequence 47, Appl	368	6	0.4	588	7	US-11-186-284-213	Sequence 213, App
296	6	0.4	485	7	US-11-165-226-57	Sequence 57, Appl	369	6	0.4	589	6	US-10-453-372-226	Sequence 226, App
297	6	0.4	488	6	US-10-995-561-860	Sequence 860, App	370	6	0.4	596	6	US-10-821-234-1068	Sequence 1068, Ap
298	6	0.4	489	6	US-10-793-626-3068	Sequence 3068, Ap	371	6	0.4	596	6	US-10-063-703-100	Sequence 100, App
299	6	0.4	489	6	US-10-793-626-3178	Sequence 3178, Ap	372	6	0.4	596	7	US-11-102-240-100	Sequence 100, App
300	6	0.4	491	6	US-10-793-626-406	Sequence 406, App	373	6	0.4	601	6	US-10-821-234-958	Sequence 958, App
301	6	0.4	491	6	US-10-793-626-2104	Sequence 2104, Ap	374	6	0.4	605	6	US-10-689-744-140	Sequence 140, App
302	6	0.4	498	6	US-10-467-657-5006	Sequence 5006, Ap	375	6	0.4	611	6	US-10-517-939-156	Sequence 156, App
303	6	0.4	502	6	US-10-966-483-23	Sequence 23, Appl	376	6	0.4	612	6	US-11-186-284-136	Sequence 136, App
304	6	0.4	502	7	US-11-021-441-7	Sequence 7, Appl1	377	6	0.4	613	6	US-10-467-657-5576	Sequence 5766, Ap
305	6	0.4	503	6	US-10-873-528-74	Sequence 74, Appl	378	6	0.4	619	6	US-10-763-712A-35	Sequence 35, Appl
306	6	0.4	506	6	US-10-873-528-80	Sequence 80, Appl	379	6	0.4	620	6	US-10-793-626-606	Sequence 606, App
307	6	0.4	506	7	US-11-055-822-946	Sequence 946, App	380	6	0.4	620	6	US-11-186-284-134	Sequence 134, App
308	6	0.4	509	7	US-11-124-327-2	Sequence 2, Appl1	381	6	0.4	621	6	US-10-793-626-2614	Sequence 2614, Ap
309	6	0.4	511	7	US-11-055-822-698	Sequence 698, App	382	6	0.4	621	7	US-10-821-234-1376	Sequence 1376, Ap
310	6	0.4	513	6	US-10-650-326B-16	Sequence 16, Appl	383	6	0.4	622	7	US-11-021-441-35	Sequence 35, Appl
311	6	0.4	513	7	US-11-000-463-816	Sequence 816, App	384	6	0.4	622	7	US-11-155-288-17	Sequence 17, Appl
312	6	0.4	520	7	US-11-055-822-944	Sequence 944, App	385	6	0.4	622	7	US-11-040-215-2	Sequence 2, Appl1
313	6	0.4	521	7	US-11-143-980-32	Sequence 32, Appl	386	6	0.4	622	7	US-11-040-240-2	Sequence 2, Appl1
314	6	0.4	521	7	US-11-152-366-49	Sequence 49, Appl	387	6	0.4	622	7	US-11-054-281-48	Sequence 48, Appl
315	6	0.4	522	6	US-10-519-390-21	Sequence 21, Appl	388	6	0.4	622	7	US-11-054-281-49	Sequence 49, Appl
316	6	0.4	522	7	US-11-055-822-1100	Sequence 1100, Ap	389	6	0.4	622	7	US-11-054-281-50	Sequence 50, Appl
317	6	0.4	522	7	US-11-152-366-51	Sequence 51, Appl	390	6	0.4	628	7	US-11-040-215-1	Sequence 1, Appl1

391	6	0.4	628	7	US-11-040-240-1	Sequence 1, Appl1
392	6	0.4	628	7	US-11-054-281-4	Sequence 4, Appl1
393	6	0.4	628	7	US-11-054-281-46	Sequence 46, Appl1
394	6	0.4	629	7	US-11-175-690-562	Sequence 562, App
395	6	0.4	630	7	US-11-155-288-18	Sequence 18, Appl1
396	6	0.4	630	7	US-11-054-281-47	Sequence 47, Appl1
397	6	0.4	633	7	US-11-119-683-3	Sequence 3, Appl1
398	6	0.4	646	7	US-10-995-561-695	Sequence 695, App
399	6	0.4	662	7	US-10-493-909-80	Sequence 80, Appl1
400	6	0.4	664	7	US-11-080-991-40	Sequence 40, Appl1
401	6	0.4	667	6	US-10-793-626-2416	Sequence 2416, Ap
402	6	0.4	669	6	US-10-453-372-216	Sequence 216, App
403	6	0.4	669	6	US-10-453-372-218	Sequence 218, App
404	6	0.4	671	7	US-11-150-883-6	Sequence 6, Appl1
405	6	0.4	676	6	US-10-453-372-440	Sequence 440, App
406	6	0.4	676	7	US-11-052-554A-41	Sequence 41, Appl1
407	6	0.4	680	6	US-10-467-657-7612	Sequence 7612, Ap
408	6	0.4	685	6	US-10-490-824-5	Sequence 5, Appl1
409	6	0.4	686	7	US-11-150-883-5	Sequence 5, Appl1
410	6	0.4	691	6	US-10-131-826A-16	Sequence 16, Appl1
411	6	0.4	693	7	US-11-189-301-20	Sequence 20, Appl1
412	6	0.4	693	7	US-11-167-856-2	Sequence 2, Appl1
413	6	0.4	694	7	US-11-074-176-340	Sequence 340, App
414	6	0.4	697	7	US-11-074-176-150	Sequence 150, App
415	6	0.4	701	7	US-11-189-301-19	Sequence 19, Appl1
416	6	0.4	703	6	US-10-821-234-963	Sequence 963, App
417	6	0.4	708	6	US-10-636-320-2	Sequence 2, Appl1
418	6	0.4	709	6	US-10-131-826A-202	Sequence 202, App
419	6	0.4	709	6	US-10-519-238-3	Sequence 3, Appl1
420	6	0.4	716	6	US-10-131-826A-512	Sequence 512, App
421	6	0.4	716	6	US-10-467-657-8370	Sequence 8370, Ap
422	6	0.4	716	7	US-11-147-047-52	Sequence 52, Appl1
423	6	0.4	716	7	US-11-142-867-2	Sequence 2, Appl1
424	6	0.4	717	7	US-11-010-239-111	Sequence 111, App
425	6	0.4	721	7	US-11-128-039-88	Sequence 88, Appl1
426	6	0.4	727	6	US-10-995-561-864	Sequence 864, App
427	6	0.4	728	6	US-10-530-340-14	Sequence 14, Appl1
428	6	0.4	730	6	US-10-453-372-444	Sequence 444, App
429	6	0.4	737	6	US-10-453-372-434	Sequence 434, App
430	6	0.4	737	6	US-10-453-372-446	Sequence 446, App
431	6	0.4	737	6	US-10-453-372-448	Sequence 448, App
432	6	0.4	737	6	US-10-453-372-450	Sequence 450, App
433	6	0.4	737	6	US-10-453-372-452	Sequence 452, App
434	6	0.4	737	6	US-10-453-372-454	Sequence 454, App
435	6	0.4	737	6	US-10-453-372-456	Sequence 456, App
436	6	0.4	753	7	US-11-186-284-153	Sequence 153, App
437	6	0.4	759	6	US-10-858-730-75	Sequence 75, Appl1
438	6	0.4	760	6	US-10-858-730-76	Sequence 76, Appl1
439	6	0.4	765	6	US-10-131-826A-28	Sequence 28, Appl1
440	6	0.4	766	7	US-11-189-301-21	Sequence 21, Appl1
441	6	0.4	770	6	US-10-821-234-1269	Sequence 1269, Ap
442	6	0.4	780	6	US-10-878-556A-197	Sequence 197, App
443	6	0.4	782	6	US-10-995-561-861	Sequence 861, App
444	6	0.4	794	7	US-11-218-986-2	Sequence 2, Appl1
445	6	0.4	798	7	US-11-107-028-2	Sequence 57, Appl1
446	6	0.4	804	6	US-10-467-962B-57	Sequence 116, Ap
447	6	0.4	810	6	US-10-453-372-1116	Sequence 1176, Ap
448	6	0.4	820	6	US-10-821-234-1176	Sequence 863, App
449	6	0.4	847	6	US-10-995-561-863	Sequence 865, App
450	6	0.4	847	6	US-10-995-561-865	Sequence 113, App
451	6	0.4	858	6	US-10-878-556A-113	Sequence 15, Appl1
452	6	0.4	867	6	US-10-725-475-19	Sequence 49, Appl1
453	6	0.4	869	7	US-11-043-752-45	Sequence 3, Appl1
454	6	0.4	871	6	US-10-933-025-3	Sequence 78, Appl1
455	6	0.4	872	6	US-10-467-657-78	Sequence 3036, Ap
456	6	0.4	873	6	US-10-793-626-3036	Sequence 4544, Ap
457	6	0.4	886	6	US-10-467-657-4544	Sequence 396, App
458	6	0.4	892	7	US-11-082-389-396	Sequence 208, App
459	6	0.4	897	6	US-10-453-372-208	Sequence 35, Appl1
460	6	0.4	897	7	US-11-137-465-35	Sequence 360, App
461	6	0.4	908	6	US-10-517-939-360	Sequence 696, App
462	6	0.4	918	6	US-10-995-561-696	Sequence 70, Appl1
463	6	0.4	919	6	US-10-063-703-70	

464	6	0.4	919	7	US-11-074-176-284	Sequence 284, App
465	6	0.4	919	7	US-11-102-240-10	Sequence 70, Appl1
466	6	0.4	927	7	US-11-189-301-70	Sequence 10, Appl1
467	6	0.4	931	7	US-11-128-059-86	Sequence 86, Appl1
468	6	0.4	934	6	US-10-453-372-1158	Sequence 1158, Ap
469	6	0.4	957	7	US-11-108-172-1065	Sequence 1065, Ap
470	6	0.4	976	6	US-10-966-483-2	Sequence 2, Appl1
471	6	0.4	988	7	US-11-171-701-6	Sequence 6, Appl1
472	6	0.4	993	7	US-11-137-465-36	Sequence 36, Appl1
473	6	0.4	997	7	US-11-080-991-50	Sequence 50, Appl1
474	6	0.4	999	6	US-10-821-234-1251	Sequence 1251, Ap
475	6	0.4	999	7	US-11-113-424-36	Sequence 36, Appl1
476	6	0.4	1013	6	US-11-103-957-9	Sequence 982, App
477	6	0.4	1019	6	US-10-995-561-982	Sequence 200, Appl1
478	6	0.4	1023	6	US-10-131-826A-200	Sequence 20, Appl1
479	6	0.4	1035	6	US-10-966-483-20	Sequence 4, Appl1
480	6	0.4	1035	7	US-11-021-441-4	Sequence 4, Appl1
481	6	0.4	1062	7	US-11-137-465-43	Sequence 370, App
482	6	0.4	1066	7	US-11-055-822-370	Sequence 1002, App
483	6	0.4	1066	6	US-11-055-822-1002	Sequence 2904, Ap
484	6	0.4	1068	6	US-10-467-657-2904	Sequence 44, Appl1
485	6	0.4	1071	7	US-11-043-752-44	Sequence 368, App
486	6	0.4	1084	6	US-10-964-313-2	Sequence 1000, Ap
487	6	0.4	1113	7	US-11-055-822-368	Sequence 3, Appl1
488	6	0.4	1113	7	US-11-075-185-3	Sequence 1760, Ap
489	6	0.4	1126	7	US-11-128-420-10	Sequence 2, Appl1
490	6	0.4	1151	7	US-10-793-626-1780	Sequence 2, Appl1
491	6	0.4	1155	6	US-11-097-128-2	Sequence 594, App
492	6	0.4	1167	6	US-10-831-997-2	Sequence 595, App
493	6	0.4	1170	6	US-10-995-561-594	Sequence 596, App
494	6	0.4	1170	6	US-10-995-561-595	Sequence 28, Appl1
495	6	0.4	1170	6	US-10-995-561-596	Sequence 28, Appl1
496	6	0.4	1170	6	US-11-046-456-28	Sequence 28, Appl1
497	6	0.4	1170	7	US-11-046-456-28	Sequence 394, Appl1
498	6	0.4	1184	6	US-10-131-826A-394	Sequence 27, Appl1
499	6	0.4	1184	6	US-10-131-826A-394	
500	6	0.4	1188	7	US-11-143-984A-27	

## ALIGNMENTS

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RESULT 1
US-10-821-234-1283
; Sequence 1283, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1283
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1283

Query Match          1.2%; Score 18; DB 6; Length 1627;
Best Local Similarity 100.0%; Pred. No. 8e-10;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 585 PTPNOVARNHCTVDLVYQ 602  
|||||  
DB 647 PTPNQVARNHCTVDLVYQ 664

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RESULT 2
US-11-194-246-412
; Sequence 412, Application US/11194246
; Publication No. US20050272089A1
; GENERAL INFORMATION:
; APPLICANT: Mott, John
; APPLICANT: Trepod, Catherine
; APPLICANT: Atvidson, Steffen
; TITLE OF INVENTION: CRITICAL GENES AND POLYPEPTIDES OF HAEMOPHILUS INFLUENZAE AND ME
; TITLE OF INVENTION: USE
; FILE REFERENCE: 00592.USI (MAR 268, 05920101)
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/11/194,246
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/345,438
; PRIOR FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 621
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 412
; LENGTH: 103
; TYPE: PRT
; ORGANISM: HAEMOPHILUS INFLUENZAE
US-11-194-246-412

Query Match
Best Local Similarity 100.0%; Pred. No. 14; Length 103;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDGRK 101
Db 16 GKDGRK 22

RESULT 3
US-10-793-626-1852
; Sequence 1852, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1852
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-1852

Query Match
Best Local Similarity 100.0%; Pred. No. 18; Length 136;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 AIIAGVF 76
Db 18 AIIAGVF 24

RESULT 4
US-10-467-657-2258
; Sequence 2258, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
```

```
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 2258
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2258

Query Match
Best Local Similarity 100.0%; Pred. No. 23; Length 169;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 EIPREAF 54
Db 86 EIPREAF 92

RESULT 5
US-11-165-067A-47
; Sequence 47, Application US/11165067A
; Publication No. US20060014257A1
; GENERAL INFORMATION:
; APPLICANT: KATASHKINA Joanna Yosifovna
; APPLICANT: SKOROKHOVA Aleksandra Yurievna
; APPLICANT: ZIMENKOV Danila Vadimovich
; APPLICANT: GULJEVICH Andrey Yurievich
; APPLICANT: ERRATS Lopes Lubov
; APPLICANT: BIRYUKOVA Irina Vladimirovna
; APPLICANT: MIRONOV Aleksandr Sergeevich
; TITLE OF INVENTION: RSF1010 DERIVATIVE Mob- PLASMID CONTAINING NO ANTIBIOTIC RESISTAN
; TITLE OF INVENTION: BACTERIUM COMPRISING THE VECTOR AND METHOD FOR PRODUCING USEFUL
; FILE REFERENCE: US-174
; CURRENT APPLICATION NUMBER: US/11/165,067A
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: RU2004119027
; PRIOR FILING DATE: 2004-06-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Escherichia coli
US-11-165-067A-47

Query Match
Best Local Similarity 100.0%; Pred. No. 27; Length 205;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGLS 1133
Db 50 SSRIGLS 56

RESULT 6
US-10-454-437-388
; Sequence 388, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Krogger, Burkhard
; APPLICANT: Schroeder, Hartwig
; APPLICANT: Zelder, Oskar
```

```

APPLICANT : Habberhauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
FILE REFERENCE: BGI-128PCN
CURRENT FILING DATE: US/10/454,437
PRIOR APPLICATION NUMBER: 2003-06-13
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931636.8
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932125.6
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932126.4
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932127.2
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932128.0
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932129.9
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: DE 19932226.0
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932920.6
PRIOR FILING DATE: 1999-07-14
PRIOR APPLICATION NUMBER: DE 19932922.2
PRIOR FILING DATE: 1999-07-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 442
SEQ ID NO 388
LENGTH: 250
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-10-454-437-388

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Query Match	Similarity	100.0%	Pred. No. 33	Score 7;	DB 6;	Length 250;
Best Local	Similarity	100.0%	Pred. No. 33	Score 7;	DB 6;	Length 250;
Matches	7;	Conservative	0;	Mismatches	0;	Indels 0;
0Y	1117	VGISAVA	1123			
db	106	VGISAVA	112			

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RESULT 7
US-11-166-412-219
; Sequence 219, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 219
; LENGTH: 286
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain Fragment
US-11-166-412-219

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Query Match	0.4%;	Score 7;	DB 7;	Length 286;
Best Local Similarity	100.0%;	Pred. No. 37;		
Matches	7;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

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QY      310 SEEQIRL 316
        |||||
Db      9  SEEQIRL 15
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RESULT 8
US-11-080-091-13
? Sequence 13: Application US/11080091
? Publication No. US20050261224A1
? GENERAL INFORMATION:
? APPLICANT: Kuchroo, Vijay K.
? APPLICANT: Chakravarti, Sumone
? APPLICANT: Strom, Terry
? APPLICANT: Zheng, Xin Xiao
? APPLICANT: Meyers, Jennifer
? TITLE OF INVENTION: METHODS OF MODULATING IMMUNE RESPONSES
? TITLE OF INVENTION: BY MODULATING TIM-1, TIM-2 AND TIM-4 FUNCTION
? FILE REFERENCE: BMOC-P01-002
? CURRENT APPLICATION NUMBER: US/11/080,091
? CURRENT FILING DATE: 2005-03-14
? PRIOR APPLICATION NUMBER: US 60/552,523
? PRIOR FILING DATE: 2004-03-12
? PRIOR APPLICATION NUMBER: US 60/622,559
? PRIOR FILING DATE: 2004-10-27
? NUMBER OF SEQ ID NOS: 13
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 13
? LENGTH: 305
? TYPE: PRF
? ORGANISM: Mouse
US-11-080-091-13

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Query Match	0.4%	Score 7	DB 7	Length 305
Best Local Similarity	100.0%	Pred. No. 40		
Matches	7	Conservative	0	Mismatches 0
				Indels 0
				Gaps 0
OY	477	THUGIV	483	
db	41	THUGIV	47	

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RESULT 9
US-11-087-177-11
; Sequence 11, Application US/11087177
; Publication No. US20050276756A1
; GENERAL INFORMATION:
; APPLICANT: Soo Hoo, William
; TITLE OF INVENTION: COMPOSITIONS AS ADJUVANTS TO IMPROVE
; TITLE OF INVENTION: IMMUNE RESPONSES TO VACCINES AND METHODS OF USE
; FILE REFERENCE: 69247-018
; CURRENT APPLICATION NUMBER: US/11/087,177
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: 60/555,827
; PRIOR FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: 60/582,479
; PRIOR FILING DATE: 2004-06-23
; NUMBER OF SEQ. ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(305)
; OTHER INFORMATION: TIM-2 BALB/c allele
US-11-087-177-11

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Query Match 0.4%; Score 7; DB 7; Length 305;  
Best Local Similarity 100.0%; Pred. No. 40;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 477 THLGIV 483  
| | | | |  
Db 41 THLGIV 47

RESULT 10  
US-11-087-177-13  
; Sequence 13, Application US/11087177  
; Publication No. US20050276756A1  
; GENERAL INFORMATION:  
; APPLICANT: Soo Hoo, William  
; TITLE OF INVENTION: COMPOSITIONS AS ADJUVANTS TO IMPROVE  
; TITLE OF INVENTION: IMMUNE RESPONSES TO VACCINES AND METHODS OF USE  
; FILE REFERENCE: 69247-018  
; CURRENT APPLICATION NUMBER: US/11/087,177  
; CURRENT FILING DATE: 2005-03-22  
; PRIOR APPLICATION NUMBER: 60/555,827  
; PRIOR FILING DATE: 2004-03-24  
; PRIOR APPLICATION NUMBER: 60/582,479  
; PRIOR FILING DATE: 2004-06-23  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 305  
; TYPE: PRT  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(305)  
; OTHER INFORMATION: TIM-2, C.D2 ES-HBA AND DBA/2J allele  
US-11-087-177-13

Query Match 0.4%; Score 7; DB 7; Length 305;  
Best Local Similarity 100.0%; Pred. No. 40;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 477 THLGIV 483  
| | | | |  
Db 41 THLGIV 47

RESULT 11  
US-11-166-412-220  
; Sequence 220, Application US/11166412  
; Publication No. US20060014231A1  
; GENERAL INFORMATION:  
; APPLICANT: Vah Rompaey, Luc  
; APPLICANT: Tonne, Peter H. M.  
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis  
; FILE REFERENCE: P27,927-D-USA  
; CURRENT APPLICATION NUMBER: US/11/166,412  
; CURRENT FILING DATE: 2005-06-24  
; PRIOR APPLICATION NUMBER: 60/582,704  
; PRIOR FILING DATE: 2004-06-24  
; PRIOR APPLICATION NUMBER: 60/630,449  
; PRIOR FILING DATE: 2004-11-23  
; PRIOR APPLICATION NUMBER: 60/673,206  
; PRIOR FILING DATE: 2005-04-20  
; NUMBER OF SEQ ID NOS: 231  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 220  
; LENGTH: 306  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Proein domain fragment  
US-11-166-412-220

Query Match 0.4%; Score 7; DB 7; Length 306;  
Best Local Similarity 100.0%; Pred. No. 40;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIRL 316

Db 29 SEQIRL 35  
| | | | |

RESULT 12  
US-10-995-561-947  
; Sequence 947, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 947  
; LENGTH: 320  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-995-561-947

Query Match 0.4%; Score 7; DB 6; Length 320;  
Best Local Similarity 100.0%; Pred. No. 42;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
| | | | |  
Db 238 FSCSEGT 244

RESULT 13  
US-10-844-035-1  
; Sequence 1, Application US/10844035  
; Publication No. US20050255098A1  
; GENERAL INFORMATION:  
; APPLICANT: ROSEN, STEVEN D.  
; APPLICANT: NOBLE, LINDA J.  
; TITLE OF INVENTION: METHODS OF TREATING TRAUMATIC SPINAL  
; TITLE OF INVENTION: CORD INJURY  
; FILE REFERENCE: UCAL-319  
; CURRENT APPLICATION NUMBER: US/10/844,035  
; CURRENT FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-844-035-1

Query Match 0.4%; Score 7; DB 6; Length 372;  
Best Local Similarity 100.0%; Pred. No. 48;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
| | | | |  
Db 225 FSCSEGT 231

RESULT 14  
US-10-995-561-948  
; Sequence 948, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 948  
 ; LENGTH: 373  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-948

Query Match 0.4%; Score 7; DB 6; Length 373;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
 Db 238 FSCSEGT 244

RESULT 15  
 US-10-995-561-946  
 ; Sequence 946, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001559  
 ; CURRENT APPLICATION NUMBER: US/10/995,561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 946  
 ; LENGTH: 375  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-946

Query Match 0.4%; Score 7; DB 6; Length 375;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
 Db 238 FSCSEGT 244

RESULT 16  
 US-10-995-561-945  
 ; Sequence 945, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001559  
 ; CURRENT APPLICATION NUMBER: US/10/995,561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 945  
 ; LENGTH: 385  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-945

Query Match 0.4%; Score 7; DB 6; Length 385;  
 Best Local Similarity 100.0%; Pred. No. 50;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
 Db 238 FSCSEGT 244

Db 238 FSCSEGT 244

RESULT 17  
 US-10-995-561-949  
 ; Sequence 949, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001559  
 ; CURRENT APPLICATION NUMBER: US/10/995,561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 949  
 ; LENGTH: 385  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-949

Query Match 0.4%; Score 7; DB 6; Length 385;  
 Best Local Similarity 100.0%; Pred. No. 50;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
 Db 238 FSCSEGT 244

RESULT 18  
 US-10-793-626-552  
 ; Sequence 552, Application US/10793626  
 ; Publication No. US2005025478A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KIMMERLY, WILLIAM JOHN  
 ; TITLE OF INVENTION: STRAPHLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
 ; FILE REFERENCE: P01480US  
 ; CURRENT APPLICATION NUMBER: US/10/793,626  
 ; CURRENT FILING DATE: 2004-03-04  
 ; PRIOR APPLICATION NUMBER: 60/164,258  
 ; PRIOR FILING DATE: 1998-11-09  
 ; NUMBER OF SEQ ID NOS: 4472  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 552  
 ; LENGTH: 394  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
 US-10-793-626-552

Query Match 0.4%; Score 7; DB 6; Length 394;  
 Best Local Similarity 100.0%; Pred. No. 51;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSR 667  
 Db 72 VHTASSR 78

RESULT 19  
 US-11-076-163-1  
 ; Sequence 1, Application US/11076163  
 ; Publication No. US20050261319A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Deuschle, Ulrich  
 ; APPLICANT: Loebbert, Ralph  
 ; APPLICANT: Blume, Beatrix  
 ; APPLICANT: Koegl, Manfred

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; APPLICANT: Kremoser, Claus
; APPLICANT: Kober, Ingo
; APPLICANT: Bauer, Utrike
; APPLICANT: Hermann, Kristina
; APPLICANT: Alber, Michael
; TITLE OF INVENTION: Novel 2-amino-4-quinazolinones and 2-amino-4-oxoquinazolinones as
; TITLE OF INVENTION: LXR Nuclear Receptor Binding Compounds with Partial Agonistic
; FILE REFERENCE: BR-139
; CURRENT APPLICATION NUMBER: US/11/076,163
; CURRENT FILING DATE: 2005-03-09
; PRIOR APPLICATION NUMBER: PCT/EP03/10036
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: PCT/EP03/07067
; PRIOR FILING DATE: 2003-07-02
; PRIOR APPLICATION NUMBER: EP 02020255.2
; PRIOR FILING DATE: 2002-09-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-076-163-1

Query Match
Best Local Similarity 100.0%; Score 7; DB 7; Length 447;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 310 SEQIRL 316
Db 170 SEQIRL 176

RESULT 20
US-11-166-412-52
; Sequence 52, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Temme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 52
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-166-412-52

Query Match
Best Local Similarity 100.0%; Score 7; DB 7; Length 447;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 310 SEQIRL 316
Db 170 SEQIRL 176

RESULT 21
US-10-131-826A-236
; Sequence 236, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Defoige, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gueney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 236
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-236

Query Match
Best Local Similarity 100.0%; Score 7; DB 6; Length 457;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 208 SSGHSG 214
Db 322 SSGHSG 328

RESULT 22
US-10-467-657-2612
; Sequence 2612, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
```

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/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqWin99, version 1.04
/ SEQ ID NO 2612
/ LENGTH: 467
/ TYPE: PRF
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-2612

Query Match
Best Local Similarity 100.0%; Pred. No. 60;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1119 ISAVLR 1125
Db 209 ISAVLR 215

RESULT 23
US-10-821-234-1654
/ Sequence 1654, Application US/10821234
/ Publication No. US2005025114A1
/ GENERAL INFORMATION:
/ APPLICANT: Labat, Ivan
/ APPLICANT: Stache-Crain, Birgit
/ APPLICANT: Andarmani, Susan
/ APPLICANT: Tang, Y. Tom
/ TITLE OF INVENTION: Methods for diagnosis and treatment of preeclampsia
/ FILE REFERENCE: 821A
/ CURRENT APPLICATION NUMBER: US/10/821,234
/ CURRENT FILING DATE: 2004-04-07
/ PRIOR APPLICATION NUMBER: US 60/462,047
/ PRIOR FILING DATE: 2003-04-07
/ NUMBER OF SEQ ID NOS: 1704
/ SOFTWARE: pt_seq_genes Version 1.0
/ SEQ ID NO 1654
/ LENGTH: 488
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-10-821-234-1654

Query Match
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVDPDS 1237
Db 80 CGVDPDS 86

RESULT 24
US-11-186-284-121
/ Sequence 121, Application US/11186284
/ Publication No. US20050266493A1
/ GENERAL INFORMATION:
/ APPLICANT: Millennium Pharmaceuticals, Inc.
/ APPLICANT: Berger, Allison
/ APPLICANT: Guillemette, Tracy L.
/ APPLICANT: Kamatkar, Shubhangi
/ APPLICANT: Schlegel, Robert
/ APPLICANT: Monahan, John E.
/ APPLICANT: Thibodeau, Stephen N.
/ APPLICANT: Burgart, Lawrence J.
/ TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
/ TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
/ FILE REFERENCE: MP001-02923RM
/ CURRENT APPLICATION NUMBER: US/11/186,284
/ CURRENT FILING DATE: 2005-07-21
/ PRIOR APPLICATION NUMBER: US/10/301,822
/ PRIOR FILING DATE: 2002-11-21
/ PRIOR APPLICATION NUMBER: US 60/339,971
```

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/ PRIOR FILING DATE: 2001-12-10
/ PRIOR APPLICATION NUMBER: US 60/361,978
/ PRIOR FILING DATE: 2002-03-05
/ PRIOR APPLICATION NUMBER: US 60/381,988
/ PRIOR FILING DATE: 2002-05-20
/ NUMBER OF SEQ ID NOS: 228
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 121
/ LENGTH: 488
/ TYPE: PRF
/ ORGANISM: Homo Sapiens
US-11-186-284-121

Query Match
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVDPDS 1237
Db 80 CGVDPDS 86

RESULT 25
US-11-087-227-90
/ Sequence 90, Application US/11087227
/ Publication No. US20050260566A1
/ GENERAL INFORMATION:
/ APPLICANT: Fischer, Timothy J.
/ APPLICANT: Malinowski, Douglas P.
/ APPLICANT: Taylor, Adrian J.
/ APPLICANT: Parker, Margaret R.
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
/ TITLE OF INVENTION: DETECTION OF CERVICAL DISEASE
/ FILE REFERENCE: 046143/287139
/ CURRENT APPLICATION NUMBER: US/11/087,227
/ CURRENT FILING DATE: 2005-03-23
/ PRIOR APPLICATION NUMBER: 60/556,495
/ PRIOR FILING DATE: 2004-03-24
/ NUMBER OF SEQ ID NOS: 90
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 90
/ LENGTH: 821
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-11-087-227-90

Query Match
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1126 TSSRIGL 1132
Db 127 TSSRIGL 133

RESULT 26
US-11-109-157A-10
/ Sequence 10, Application US/11109157A
/ Publication No. US20050277175A1
/ GENERAL INFORMATION:
/ APPLICANT: Wyeth
/ TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES
/ FILE REFERENCE: 01997.030500.
/ CURRENT APPLICATION NUMBER: US/11/109,157A
/ CURRENT FILING DATE: 2005-04-18
/ PRIOR APPLICATION NUMBER: 60/562,685
/ PRIOR FILING DATE: 2004-04-15
/ NUMBER OF SEQ ID NOS: 44
/ SOFTWARE: Patencin version 3.3
/ SEQ ID NO 10
/ LENGTH: 871
/ TYPE: PRF
/ ORGANISM: homo sapiens
```



US-11-109-157A-10

Query Match 0.4%; Score 7; DB 7; Length 871;

Best Local Similarity 100.0%; Pred. No. 1.1e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 344 LRHRVVL 350  
Db 732 LRHRVVL 738

RESULT 27

US-10-493-909-76  
; Sequence 76, Application US/10493909  
; Publication No. US20060015969A1

GENERAL INFORMATION:  
; APPLICANT: LARRICK, JAMES W.  
; APPLICANT: WYCOFF, KEITH L.  
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING TOXICITY  
; FILE REFERENCE: 41514-20004.01  
; CURRENT APPLICATION NUMBER: US/10/493,909  
; PRIOR FILING DATE: 2004-04-26  
; PRIOR APPLICATION NUMBER: PCT/US01/13932  
; PRIOR FILING DATE: 2001-04-28  
; PRIOR APPLICATION NUMBER: 60/200,298  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 101  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 76  
; LENGTH: 917  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-10-493-909-76

Query Match 0.4%; Score 7; DB 6; Length 917;

Best Local Similarity 100.0%; Pred. No. 1.1e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1118 GISAVAL 1124  
Db 25 GISAVAL 31

RESULT 28

US-10-493-909-87  
; Sequence 87, Application US/10493909  
; Publication No. US20060015969A1

GENERAL INFORMATION:  
; APPLICANT: LARRICK, JAMES W.  
; APPLICANT: WYCOFF, KEITH L.  
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING TOXICITY  
; FILE REFERENCE: 41514-20004.01  
; CURRENT APPLICATION NUMBER: US/10/493,909  
; PRIOR FILING DATE: 2004-04-26  
; PRIOR APPLICATION NUMBER: PCT/US01/13932  
; PRIOR FILING DATE: 2001-04-28  
; PRIOR APPLICATION NUMBER: 60/200,298  
; PRIOR FILING DATE: 2000-04-28  
; NUMBER OF SEQ ID NOS: 101  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 87  
; LENGTH: 917  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-10-493-909-87

Query Match 0.4%; Score 7; DB 6; Length 917;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1118 GISAVAL 1124

Db 25 GISAVAL 31

RESULT 29

US-11-109-157A-9  
; Sequence 9, Application US/1109157A  
; Publication No. US20050277175A1

GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; TITLE OF INVENTION: TRUNCATED ADAMTS MOLECULES  
; FILE REFERENCE: 01997.030500.  
; CURRENT APPLICATION NUMBER: US/11/109,157A  
; CURRENT FILING DATE: 2005-04-18  
; PRIOR APPLICATION NUMBER: 60/562,685  
; PRIOR FILING DATE: 2004-04-15  
; NUMBER OF SEQ ID NOS: 44  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 9  
; LENGTH: 1103  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-11-109-157A-9

Query Match 0.4%; Score 7; DB 7; Length 1103;

Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 344 LRHRVVL 350  
Db 964 LRHRVVL 970

RESULT 30

US-11-102-217-2  
; Sequence 2, Application US/1102217  
; Publication No. US2005026023A1

GENERAL INFORMATION:  
; APPLICANT: Cole, Garry T.  
; APPLICANT: Okeke, Charles N.  
; APPLICANT: Hung, Chung-Yu  
; TITLE OF INVENTION: ATTENUATED VACCINE USEFUL FOR  
; TITLE OF INVENTION: IMMUNIZATIONS AGAINST COCCIDIOIDES SPP. INFECTIONS  
; FILE REFERENCE: 529522000500  
; CURRENT APPLICATION NUMBER: US/11/102,217  
; CURRENT FILING DATE: 2005-04-07  
; PRIOR APPLICATION NUMBER: 60/560,512  
; PRIOR FILING DATE: 2004-04-07  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 1857  
; TYPE: PRT  
; ORGANISM: Coccidioides spp.  
US-11-102-217-2

Query Match 0.4%; Score 7; DB 7; Length 1857;

Best Local Similarity 100.0%; Pred. No. 2.2e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 898 GDLVSGD 904  
Db 551 GDLVSGD 557

RESULT 31

US-10-453-372-170  
; Sequence 170, Application US/10453372  
; Publication No. US20060003323A1

GENERAL INFORMATION:  
; APPLICANT: Alcobrook, et al.  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
; FILE REFERENCE: 21402-589 A

```
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
; SEQ ID NO 170
; LENGTH: 2333
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-170
```

```
Query Match      0.4%; Score 7; DB 6; Length 2333;
Best Local Similarity 100.0%; Pred.No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
        |||||
Db      1165 VSLVTGE 1171
```

```
RESULT 32
US-10-453-372-114
; Sequence 114, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
```

```
; SEQ ID NO 114
; LENGTH: 2662
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-114
```

```
Query Match      0.4%; Score 7; DB 6; Length 2662;
Best Local Similarity 100.0%; Pred.No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
        |||||
Db      1494 VSLVTGE 1500
```

```
RESULT 33
US-10-453-372-148
; Sequence 148, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curation version 0.1
; SEQ ID NO 148
; LENGTH: 2724
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-148
```

```
Query Match      0.4%; Score 7; DB 6; Length 2724;
Best Local Similarity 100.0%; Pred.No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
        |||||
Db      1556 VSLVTGE 1562
```

```
RESULT 34
US-10-453-372-136
; Sequence 136, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
```

```
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 136
; LENGTH: 2733
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-136
```

Query Match 0.4%; Score 7; DB 6; Length 2733;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 974 VSLVTGE 980
Db 1565 VSLVTGE 1571
```

```
RESULT 35
US-10-453-372-142
; Sequence 142, Application US/10453372
; Publication No. US2006003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 142
; LENGTH: 2733
```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-142
```

Query Match 0.4%; Score 7; DB 6; Length 2733;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 974 VSLVTGE 980
Db 1565 VSLVTGE 1571
```

```
RESULT 36
US-10-453-372-146
; Sequence 146, Application US/10453372
; Publication No. US2006003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 146
; LENGTH: 2733
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-146
```

Query Match 0.4%; Score 7; DB 6; Length 2733;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 974 VSLVTGE 980
Db 1565 VSLVTGE 1571
```

```
RESULT 37
US-10-453-372-150
; Sequence 150, Application US/10453372
; Publication No. US2006003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
```

```
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/823187
/ PRIOR FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195792
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 09/839446
/ PRIOR FILING DATE: 2001-03-19
/ PRIOR APPLICATION NUMBER: 60/199476
/ PRIOR FILING DATE: 2000-03-25
/ PRIOR APPLICATION NUMBER: 09/863776
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: 60/208263
/ PRIOR FILING DATE: 2000-05-31
/ PRIOR APPLICATION NUMBER: 09/939398
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/227800
/ PRIOR FILING DATE: 2000-08-25
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1609
/ SOFTWARE: CuroseqList version 0.1
/ SEQ ID NO 150
/ LENGTH: 2733
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-453-372-150
```

```
Query Match      0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
Db      1565 VSLVTGE 1571
```

```
RESULT 38
US-10-453-372-154
/ Sequence 154, Application US/10453372
/ Publication No. US20060003323A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook, et al.
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-589 A
/ CURRENT APPLICATION NUMBER: US/10/453,372
/ PRIOR FILING DATE: 2003-06-03
/ PRIOR APPLICATION NUMBER: 09/789390
/ PRIOR FILING DATE: 2001-02-23
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/823187
/ PRIOR FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195792
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 09/839446
/ PRIOR FILING DATE: 2001-03-19
/ PRIOR APPLICATION NUMBER: 60/199476
/ PRIOR FILING DATE: 2000-03-25
/ PRIOR APPLICATION NUMBER: 09/863776
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: 60/208263
/ PRIOR FILING DATE: 2000-05-31
/ PRIOR APPLICATION NUMBER: 09/939398
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/227800
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1609
/ SOFTWARE: CuroseqList version 0.1
/ SEQ ID NO 154
/ LENGTH: 2733
/ TYPE: PRT
/ ORGANISM: Homo sapiens
```

```
US-10-453-372-154
```

```
Query Match      0.4%; Score 7; DB 6; Length 2733;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
Db      1565 VSLVTGE 1571
```

```
RESULT 39
US-10-453-372-168
/ Sequence 168, Application US/10453372
/ Publication No. US20060003323A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook, et al.
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-589 A
/ CURRENT APPLICATION NUMBER: US/10/453,372
/ PRIOR FILING DATE: 2003-06-03
/ PRIOR APPLICATION NUMBER: 09/789390
/ PRIOR FILING DATE: 2001-02-23
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/823187
/ PRIOR FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195792
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 09/839446
/ PRIOR FILING DATE: 2001-03-19
/ PRIOR APPLICATION NUMBER: 60/199476
/ PRIOR FILING DATE: 2000-03-25
/ PRIOR APPLICATION NUMBER: 09/863776
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: 60/208263
/ PRIOR FILING DATE: 2000-05-31
/ PRIOR APPLICATION NUMBER: 09/939398
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/227800
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1609
/ SOFTWARE: CuroseqList version 0.1
/ SEQ ID NO 168
/ LENGTH: 2759
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-453-372-168
```

```
Query Match      0.4%; Score 7; DB 6; Length 2759;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      974 VSLVTGE 980
Db      1591 VSLVTGE 1597
```

```
RESULT 40
US-10-453-372-116
/ Sequence 116, Application US/10453372
/ Publication No. US20060003323A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook, et al.
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-589 A
/ CURRENT APPLICATION NUMBER: US/10/453,372
/ PRIOR FILING DATE: 2003-06-03
/ PRIOR APPLICATION NUMBER: 09/789390
/ PRIOR FILING DATE: 2001-02-23
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
```

```

; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CursSeqList version 0.1
; SEQ ID NO 116
; LENGTH: 2765
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-116

Query Match      0.4%; Score 7; DB 6; Length 2765;
Best Local Similarity 100.0%; Pred. No. 3,3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      974 VSLVTGE 980
Db      1597 VSLVTGE 1603

RESULT 41
US-11-136-079-445
; Sequence 445, Application US/11136079
; Publication No. US20060014248A1
; GENERAL INFORMATION:
; APPLICANT: Matchall, Shannon Alicia
; APPLICANT: Moore, Gregory L.
; APPLICANT: Chirino, Arthur J.
; APPLICANT: Desjarlais, John R.
; TITLE OF INVENTION: TNF SUPER FAMILY MEMBERS WITH ALTERED IMMUNOGENICITY
; FILE REFERENCE: A-721275-4
; CURRENT APPLICATION NUMBER: US/11/136,079
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: US 60/573,206
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/573,301
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/573,395
; PRIOR FILING DATE: 2004-05-21
; PRIOR APPLICATION NUMBER: US 60/588,314
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: US 60/607,396
; PRIOR FILING DATE: 2004-09-02
; PRIOR APPLICATION NUMBER: US 60/607,397
; PRIOR FILING DATE: 2004-09-02
; PRIOR APPLICATION NUMBER: US 10/794,751
; PRIOR FILING DATE: 2004-03-05
; PRIOR APPLICATION NUMBER: US 60/452,707
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/482,081
; PRIOR FILING DATE: 2003-06-23
; PRIOR APPLICATION NUMBER: US 10/338,785
; PRIOR FILING DATE: 2003-01-06
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 772
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 445
; LENGTH: 9
; TYPE: PRT
```

```

; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-136-079-445

Query Match      0.4%; Score 6; DB 7; Length 9;
Best Local Similarity 100.0%; Pred. No. 5,8e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      745 SQVLF 750
Db      4 SQVLF 9

RESULT 42
US-11-145-861-296
; Sequence 296, Application US/11145861
; Publication No. US20060014138A1
; GENERAL INFORMATION:
; APPLICANT: Chinnaiyan, Arul
; APPLICANT: Wang, Xiaoju
; TITLE OF INVENTION: Phage Microarray Profiling of the Humoral Response to Disease
; FILE REFERENCE: UM-09839
; CURRENT APPLICATION NUMBER: US/11/145,861
; CURRENT FILING DATE: 2005-06-06
; NUMBER OF SEQ ID NOS: 464
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 296
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-145-861-296

Query Match      0.4%; Score 6; DB 7; Length 12;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      22 NSQVGL 27
Db      1 NSQVGL 6
```

```

RESULT 43
US-11-128-059-14
; Sequence 14, Application US/11128059
; Publication No. US20050287638A1
; GENERAL INFORMATION:
; APPLICANT: WEIGEL, PAUL H
; APPLICANT: WEIGEL, JANET A
; TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND
; FILE REFERENCE: 5864,033
; CURRENT APPLICATION NUMBER: US/11/128,059
; CURRENT FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: 60/570,915
; PRIOR FILING DATE: 2004-05-13
; PRIOR APPLICATION NUMBER: 10/133,172
; PRIOR FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,468
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: 09/842,930
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 14
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-128-059-14

Query Match      0.4%; Score 6; DB 7; Length 14;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      928 YEGDGI 933
      |||||
Db      1 YEGDGI 6

RESULT 44
US-10-509-292-51
; Sequence 51, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-51

Query Match      0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPS 1425
      |||||
Db      1 CPPPS 6

RESULT 45
US-10-509-292-53
; Sequence 53, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-53

Query Match      0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPS 1425
      |||||
Db      1 CPPPS 6

RESULT 46
US-10-509-292-55
; Sequence 55, Application US/10509292
```

```
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 55
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-55

Query Match      0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPS 1425
      |||||
Db      1 CPPPS 6

RESULT 47
US-10-509-292-57
; Sequence 57, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-57

Query Match      0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPS 1425
      |||||
Db      1 CPPPS 6

RESULT 48
US-10-509-292-59
; Sequence 59, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
```

```
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 59
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-59

Query Match          0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPPS 1425
Db      1 CPPPPS 6

RESULT 49
US-10-509-292-61
; Sequence 61, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 61
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-61

Query Match          0.4%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPPS 1425
Db      1 CPPPPS 6

RESULT 50
US-11-198-847-299
; Sequence 299, Application US/11198847
; Publication No. US20050271589A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Jones, Robert M.
; APPLICANT: Garrett, James E.
; APPLICANT: Watkins, Maren
; APPLICANT: Olivera, Baldomero M.
; TITLE OF INVENTION: B-Superfamily Conotoxins
; FILE REFERENCE: 2314-296
; CURRENT APPLICATION NUMBER: US/11/198,847
; PRIOR FILING DATE: 2005-08-08
; PRIOR APPLICATION NUMBER: US 10/838,226
; PRIOR FILING DATE: 2004-05-05
; PRIOR APPLICATION NUMBER: US 10/058,053
; PRIOR FILING DATE: 2000-01-29
; PRIOR APPLICATION NUMBER: US 60/264323
; PRIOR FILING DATE: 2001-01-29
```

```
; NUMBER OF SEQ ID NOS: 340
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 299
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Conus baileyi
US-11-198-847-299

Query Match          0.4%; Score 6; DB 7; Length 22;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1361 VCEPPP 1366
Db      15 VCEPPP 20

RESULT 51
US-10-509-292-48
; Sequence 48, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 48
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-48

Query Match          0.4%; Score 6; DB 6; Length 27;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1420 CPPPPS 1425
Db      1 CPPPPS 6

RESULT 52
US-10-509-292-44
; Sequence 44, Application US/10509292
; Publication No. US20050287159A1
; GENERAL INFORMATION:
; APPLICANT: Mercia Pharma LLC
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
; FILE REFERENCE: MERPH.001
; CURRENT APPLICATION NUMBER: US/10/509,292
; PRIOR FILING DATE: 2004-09-23
; PRIOR APPLICATION NUMBER: US 60/367,591
; PRIOR FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Spacer/Eotaxin epitope
US-10-509-292-44

Query Match          0.4%; Score 6; DB 6; Length 28;
```

Best Local Similarity 100.0%; Pred. No. 44;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425  
|||||

Db 1 CPPPS 6

RESULT 53

US-10-509-292-45  
; Sequence 45, Application US/10509292  
; Publication No. US20050287159A1  
; GENERAL INFORMATION:  
; APPLICANT: Mercia Pharma LLC  
; TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin  
; FILE REFERENCE: MERPH.001  
; CURRENT APPLICATION NUMBER: US/10/509,292  
; PRIOR FILING DATE: 2004-09-23  
; PRIOR APPLICATION NUMBER: US 60/367,591  
; PRIOR FILING DATE: 2002-03-25  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 45  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Eotaxin epitope/Spacer  
US-10-509-292-45

Query Match 0.4%; Score 6; DB 6; Length 28;  
Best Local Similarity 100.0%; Pred. No. 44;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425  
|||||

Db 22 CPPPS 27

RESULT 54

US-10-957-351-179  
; Sequence 179, Application US/10957351  
; Publication No. US2006008844A1  
; GENERAL INFORMATION:  
; APPLICANT: Stemmer, Willem P. C.  
; APPLICANT: Perliroth, D. Victor  
; APPLICANT: Satyal, Sanjeev  
; APPLICANT: Avidia Research Institute  
; TITLE OF INVENTION: c-Met Kinase Binding Proteins  
; FILE REFERENCE: 022013-001400US  
; CURRENT APPLICATION NUMBER: US/10/957,351  
; CURRENT FILING DATE: 2004-09-30  
; PRIOR APPLICATION NUMBER: US 10/871,602  
; PRIOR FILING DATE: 2004-06-17  
; NUMBER OF SEQ ID NOS: 471  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 179  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: human LDL-receptor class A domain  
US-10-957-351-179

Query Match 0.4%; Score 6; DB 6; Length 37;  
Best Local Similarity 100.0%; Pred. No. 58;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1214 TCSSGH 1219  
|||||

Db 7 TCSSGH 12

RESULT 55  
US-10-957-887B-291

; Sequence 291, Application US/10957887B  
; Publication No. US20050272677A1  
; GENERAL INFORMATION:  
; APPLICANT: Priesen, Robert H. E.  
; APPLICANT: Leenhouts, Cornelius J.  
; APPLICANT: Hektor, Harm  
; APPLICANT: van Esch, Johannes H.  
; APPLICANT: Heeres, Andre  
; TITLE OF INVENTION: DELIVERY OF A SUBSTANCE TO A PRE-DETERMINED SITE  
; FILE REFERENCE: 2183-6668US  
; CURRENT APPLICATION NUMBER: US/10/957,887B  
; CURRENT FILING DATE: 2004-10-04  
; PRIOR APPLICATION NUMBER: PCT/NL/00256  
; PRIOR FILING DATE: 2003-04-04  
; NUMBER OF SEQ ID NOS: 309  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 291  
; LENGTH: 44  
; TYPE: PRT  
; ORGANISM: Thermotoga maritima  
US-10-957-887B-291

Query Match 0.4%; Score 6; DB 6; Length 44;  
Best Local Similarity 100.0%; Pred. No. 68;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1164 PSLND 1169  
|||||

Db 20 PSLND 25

RESULT 56

US-10-467-657-4280  
; Sequence 4280, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SPA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MANSIGNI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqMan99, version 1.04  
; SEQ ID NO 4280  
; LENGTH: 48  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-4280

Query Match 0.4%; Score 6; DB 6; Length 48;  
Best Local Similarity 100.0%; Pred. No. 74;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 83 VSDKGW 88  
|||||

Db 1 VSDKGW 6

RESULT 57

US-11-019-711-57  
; Sequence 57, Application US/11019711  
; Publication No. US20060009634A1  
; GENERAL INFORMATION:  
; APPLICANT: Kekuda, Ramesh



```

; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patutajan, Meera
; APPLICANT: Grose, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vermet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomil R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Taupier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Bisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 57
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: laminin
; OTHER INFORMATION: EGF-like Consensus Sequence
US-11-019-711-57

Query Match          0.4%; Score 6; DB 7; Length 49;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1323 CKRGY 1328
        |||||
Db       34 CKRGY 39
```

```
RESULT 58
US-11-000-463-433
; Sequence 433, Application US/11000463
; Publication No. US20050266423A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 433
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-433

Query Match          0.4%; Score 6; DB 7; Length 56;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      259 SPLQPP 264
        |||||
Db       22 SPLQPP 27
```

```
RESULT 59
US-11-000-463-905
; Sequence 905, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
```

```
/ PRIOR APPLICATION NUMBER: 09/491,404
/ PRIOR FILING DATE: 2000-01-25
/ PRIOR APPLICATION NUMBER: 09/517,746
/ PRIOR FILING DATE: 2000-07-17
/ PRIOR APPLICATION NUMBER: 09/531,451
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: 09/533,870
/ PRIOR FILING DATE: 2000-09-15
/ NUMBER OF SEQ ID NOS: 944
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 905
/ LENGTH: 56
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-000-463-905
```

```
Query Match          0.4%; Score 6; DB 7; Length 56;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      259 SPLOPP 264
         |||||
Db       22 SPLOPP 27
```

```
RESULT 60
US-10-986-501-135
/ Sequence 135, Application US/10986501
/ Publication No. US20050244845A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: 90 Human Secreted Proteins
/ FILE REFERENCE: PZ013P2C1
/ CURRENT APPLICATION NUMBER: US/10/986,501
/ CURRENT FILING DATE: 2004-11-12
/ PRIOR APPLICATION NUMBER: US/10/621,363
/ PRIOR FILING DATE: 2003-07-18
/ PRIOR APPLICATION NUMBER: 09/969,730
/ PRIOR FILING DATE: 2001-10-06
/ PRIOR APPLICATION NUMBER: 09/774,639
/ PRIOR FILING DATE: 2001-02-01
/ PRIOR APPLICATION NUMBER: 60/238,291
/ PRIOR FILING DATE: 2000-10-06
/ PRIOR APPLICATION NUMBER: 09/244,112
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: PCT/US98/16235
/ PRIOR FILING DATE: 1998-08-04
/ PRIOR APPLICATION NUMBER: 60/056,371
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,732
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,366
/ PRIOR FILING DATE: 1997-08-19
/ PRIOR APPLICATION NUMBER: 60/056,364
/ REMAINING PRIOR APPLICATION data removed - See file Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 373
/ SOFTWARE: PatencIn Ver. 2.0
/ SEQ ID NO 135
/ LENGTH: 64
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-986-501-135
```

```
Query Match          0.4%; Score 6; DB 6; Length 64;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1046 FIFLTT 1051
         |||||
Db       42 FIFLTT 47
```

```
RESULT 61
US-11-198-847-77
/ Sequence 77, Application US/11198847
/ Publication No. US20050271589A1
/ GENERAL INFORMATION:
/ APPLICANT: University of Utah Research Foundation
/ APPLICANT: Cognetix, Inc.
/ APPLICANT: Jones, Robert M.
/ APPLICANT: Garrett, James E.
/ APPLICANT: Mackinn, Maren
/ APPLICANT: Oliveira, Baldomero M.
/ TITLE OF INVENTION: B-Superfamily Conotoxins
/ FILE REFERENCE: 2314-296
/ CURRENT APPLICATION NUMBER: US/11/198,847
/ CURRENT FILING DATE: 2005-08-08
/ PRIOR APPLICATION NUMBER: US 10/838,226
/ PRIOR FILING DATE: 2004-05-05
/ PRIOR APPLICATION NUMBER: US 10/058,053
/ PRIOR FILING DATE: 2000-01-29
/ PRIOR APPLICATION NUMBER: US 60/264323
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 340
/ SOFTWARE: PatencIn version 3.0
/ SEQ ID NO 77
/ LENGTH: 72
/ TYPE: PRT
/ ORGANISM: Conus baileyi
US-11-198-847-77
```

```
Query Match          0.4%; Score 6; DB 7; Length 72;
Best Local Similarity 100.0%; Pred. No. 1,1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1361 VCEPPP 1366
         |||||
Db       65 VCEPPP 70
```

```
RESULT 62
US-11-123-896-350
/ Sequence 350, Application US/11123896
/ Publication No. US2005027381A1
/ GENERAL INFORMATION:
/ APPLICANT: Simmons, Carl R.
/ APPLICANT: Navarro Acevedo, Pedro A.
/ APPLICANT: Harvelli, Leslie
/ APPLICANT: Cahoon, Rebecca
/ APPLICANT: McCutchen, Billy Fred
/ APPLICANT: Lu, Albert
/ APPLICANT: Herrmann, Rafael
/ APPLICANT: Wong, James
/ TITLE OF INVENTION: Defensin Polynucleotides and Methods of
/ FILE REFERENCE: 35718/246703
/ CURRENT APPLICATION NUMBER: US/11/123,896
/ CURRENT FILING DATE: 2005-05-06
/ PRIOR APPLICATION NUMBER: 60/300,152
/ PRIOR FILING DATE: 2001-06-22
/ PRIOR APPLICATION NUMBER: 60/300,241
/ PRIOR FILING DATE: 2001-06-22
/ NUMBER OF SEQ ID NOS: 469
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 350
/ LENGTH: 77
/ TYPE: PRT
/ ORGANISM: Brassica napus
US-11-123-896-350
```

```
Query Match          0.4%; Score 6; DB 7; Length 77;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1119 ISAVAL 1124
```

Db 8 ISAVAL 13

```

RESULT 63
US-11-043-752-47
; Sequence 47, Application US/11043752
; Publication No. US20060014165A1
; GENERAL INFORMATION:
; APPLICANT: Hakonarson, Hakon
; APPLICANT: Gurney, Mark E.
; APPLICANT: Haladi, Eva
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT FOR
; TITLE OF INVENTION: ASTHMA AND OTHER RESPIRATORY DISEASES BASED ON HAPLOTYPE
; TITLE OF INVENTION: ASSOCIATION
; FILE REFERENCE: 2345, 2044-003
; CURRENT APPLICATION NUMBER: US/11/043,752
; PRIOR FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: PCT/US04/022446
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: 60/487,072
; PRIOR FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 60/559,611
; PRIOR FILING DATE: 2004-04-05
; NUMBER OF SEQ ID NOS: 4326
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-752-47

```

Query Match 0.4%; Score 6; DB 7; Length 80;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1307 HCLQDN 1312  
 Db 54 HCLQDN 59

```

RESULT 64
US-10-467-657-8196
; Sequence 8196, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8196
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8196

```

Query Match 0.4%; Score 6; DB 6; Length 90;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 434 MSYKEL 439  
 Db 2 MSYKEL 7

```

RESULT 65
US-10-505-263-74
; Sequence 74, Application US/10505263
; Publication No. US20060014940A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
; APPLICANT: Case Western Reserve University
; APPLICANT: The Brigham and Women's Hospital, Inc.
; APPLICANT: Mount, David B
; APPLICANT: Romero, Michael
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF SLC26A6, SLC26A1, and SLC26A2
; TITLE OF INVENTION: ANION EXCHANGERS
; FILE REFERENCE: 1242/50/2 PCT/US
; CURRENT APPLICATION NUMBER: US/10/505,263
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US 60/360,275
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: PCT/US03/06469
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 74
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-505-263-74

```

Query Match 0.4%; Score 6; DB 6; Length 91;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 898 GDIVSG 903  
 Db 1 GDIVSG 6

```

RESULT 66
US-11-000-463-908
; Sequence 908, Application US/11000463
; Publication No. US2005026423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radcoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; PRIOR FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0

```



```
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vicki
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
FILE REFERENCE: 00766.000091.10
CURRENT APPLICATION NUMBER: US/10/689,742
CURRENT FILING DATE: 2003-10-22
PRIOR APPLICATION NUMBER: 09/746,783
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 231
SOFTWARE: PatentIn version 3.2
SEQ ID NO 206
LENGTH: 104
TYPE: PRT
ORGANISM: Homo sapiens
US-10-689-742-206
```

```
Query Match      0.4%; Score 6; DB 6; Length 104;
Best Local Similarity 100.0%; Pred.No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      151 QVASSL 156
        |||||
Db      26 QVASSL 31
```

```
RESULT 71
US-10-793-626-158
Sequence 158, Application US/10793626
Publication No. US2005025478A1
GENERAL INFORMATION:
APPLICANT: KIMMERLY, WILLIAM JOHN
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
FILE REFERENCE: P03480US
CURRENT APPLICATION NUMBER: US/10/793,626
CURRENT FILING DATE: 2004-03-04
PRIOR APPLICATION NUMBER: 60/164,258
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 4472
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 158
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-158
```

```
Query Match      0.4%; Score 6; DB 6; Length 105;
Best Local Similarity 100.0%; Pred.No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      45 VLAEIP 50
        |||||
Db      69 VLAEIP 74
```

```
RESULT 72
US-11-123-896-269
Sequence 269, Application US/11123896
Publication No. US2005027388A1
GENERAL INFORMATION:
APPLICANT: Simmons, Carl R.
APPLICANT: Navarro Acevedo, Pedro A.
APPLICANT: Harvell, Leslie
APPLICANT: Cahoon, Rebecca
APPLICANT: McCutchen, Billy Fred
APPLICANT: Lu, Albert
APPLICANT: Herrmann, Rafael
APPLICANT: Wong, James
TITLE OF INVENTION: Defensin Polynucleotides and Methods of
Use
```

```
FILE REFERENCE: 35718/246703
CURRENT APPLICATION NUMBER: US/11/123,896
CURRENT FILING DATE: 2005-05-06
PRIOR APPLICATION NUMBER: 60/300,152
PRIOR FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 60/300,241
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 459
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 269
LENGTH: 107
TYPE: PRT
ORGANISM: Triticum aestivum
US-11-123-896-269
```

```
Query Match      0.4%; Score 6; DB 7; Length 107;
Best Local Similarity 100.0%; Pred.No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1421 PPPPS 1426
        |||||
Db      85 PPPPS 90
```

```
RESULT 73
US-10-131-826A-442
Sequence 442, Application US/10131826A
Publication No. US20050245730A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C128
CURRENT APPLICATION NUMBER: US/10/131,826A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
```

```
/ SEQ ID NO 442
/ LENGTH: 117
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-442
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 117;
Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
Qy 1262 PPAKIQ 1267
Db 44 PPAKIQ 49
```

```
RESULT 74
US-10-467-657-6982
/ Sequence 6982, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetha
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqMin99, version 1.04
/ SEQ ID NO 6982
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6982
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 120;
Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
Qy 580 NCTDNF 585
Db 35 NCTDNF 40
```

```
RESULT 75
US-10-467-657-7938
/ Sequence 7938, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetha
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqMin99, version 1.04
/ SEQ ID NO 7938
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7938
```

```
Query Match 0.4%; Score 6; DB 6; Length 120;
```

```
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
Qy 580 NCTDNF 585
Db 35 NCTDNF 40
```

```
RESULT 76
US-10-821-234-1239
/ Sequence 1239, Application US/10821234
/ Publication No. US20050255114A1
/ GENERAL INFORMATION:
/ APPLICANT: Labat, Ivan
/ APPLICANT: Stache-Crain, Birgit
/ APPLICANT: Andarmani, Susan
/ APPLICANT: Tang, Y. Tom
/ TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
/ FILE REFERENCE: 821A
/ CURRENT APPLICATION NUMBER: US/10/821,234
/ CURRENT FILING DATE: 2004-04-07
/ PRIOR APPLICATION NUMBER: US 60/462,047
/ PRIOR FILING DATE: 2003-04-07
/ NUMBER OF SEQ ID NOS: 1704
/ SOFTWARE: pt SEQ_genes Version 1.0
/ SEQ ID NO 1239
/ LENGTH: 122
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-821-234-1239
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 122;
Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
Qy 864 GELGEA 869
Db 107 GELGEA 112
```

```
RESULT 77
US-10-467-657-6978
/ Sequence 6978, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetha
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqMin99, version 1.04
/ SEQ ID NO 6978
/ LENGTH: 123
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6978
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 123;
Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
Qy 580 NCTDNF 585
Db 46 NCTDNF 51
```

```
Query Match 0.4%; Score 6; DB 6; Length 123;
Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0;
```

```
RESULT 78
US-10-467-657-7022
; Sequence 7022, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIANT Vega
; APPLICANT: MONACT Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 7022
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7022

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 124;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 NDFDDG 409
DB 94 NDFDDG 99

RESULT 79
US-10-667-295-37
; Sequence 37, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Macchia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11696-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(131)
; OTHER INFORMATION: Ceres Seq. ID no. 4794496
US-10-667-295-37

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 131;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKEIK 440
DB 119 SVKEIK 124

RESULT 80
US-10-467-657-3792
; Sequence 3792, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
```

```
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIANT Vega
; APPLICANT: MONACT Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3792
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3792

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 131;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 NDFDDG 409
DB 101 NDFDDG 106

RESULT 81
US-09-978-360A-744
; Sequence 744, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclet, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56,054.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 744
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -34...-1
US-09-978-360A-744

Query Match
Best Local Similarity 100.0%; Score 6; DB 5; Length 136;
```

Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1052 DGLVPG 1057  
|||||

Db 38 DGLVPG 43

RESULT 82

US-11-156-084-88  
; Sequence 88, Application US/11156084  
; Publication No. US20060010515A1  
; GENERAL INFORMATION:  
; APPLICANT: Monsanto Technology LLC  
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to  
; FILE REFERENCE: (38-21)  
; CURRENT APPLICATION NUMBER: US/11/156,084  
; CURRENT FILING DATE: 2005-06-17  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 88  
; LENGTH: 139  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
US-11-156-084-88

Query Match 0.4%; Score 6; DB 7; Length 139;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVVV 836  
|||||

Db 131 GLPVVV 136

RESULT 83

US-10-667-295-42  
; Sequence 42, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Masclia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 42  
; LENGTH: 141  
; TYPE: PRT  
; ORGANISM: Brassica napus  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(141)  
; OTHER INFORMATION: Ceres Seq. ID no. 6425769  
US-10-667-295-42

Query Match 0.4%; Score 6; DB 6; Length 141;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 96 KDXGKR 101  
|||||

Db 104 KDXGKR 109

RESULT 84

US-10-467-657-1802  
; Sequence 1802, Application US/10467657  
; Publication No. US20050260581A1

; GENERAL INFORMATION:  
; APPLICANT: CHIRON SPA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIGNANI Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqMan99, version 1.04  
; SEQ ID NO 1802  
; LENGTH: 143  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-1802

Query Match 0.4%; Score 6; DB 6; Length 143;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 40  
|||||

Db 82 RRERLL 87

RESULT 85

US-10-485-517-343  
; Sequence 343, Application US/10485517  
; Publication No. US20050256299A1  
; GENERAL INFORMATION:  
; APPLICANT: University of Sheffield  
; APPLICANT: Biosynexus Incorporated  
; APPLICANT: Foster, Simon  
; APPLICANT: Mond, James  
; TITLE OF INVENTION: Antigenic Polypeptides  
; FILE REFERENCE: P100629WO  
; CURRENT APPLICATION NUMBER: US/10/485,517  
; CURRENT FILING DATE: 2004-02-02  
; PRIOR APPLICATION NUMBER: GB 0118825.9  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: GB 0200349.9  
; PRIOR FILING DATE: 2002-01-09  
; NUMBER OF SEQ ID NOS: 424  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 343  
; LENGTH: 147  
; TYPE: PRT  
; ORGANISM: Staphylococcus aureus  
US-10-485-517-343

Query Match 0.4%; Score 6; DB 6; Length 147;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1108 VLNFS 1113  
|||||

Db 101 VLNFS 106

RESULT 86

US-11-156-084-80  
; Sequence 80, Application US/11156084  
; Publication No. US20060010515A1  
; GENERAL INFORMATION:  
; APPLICANT: Monsanto Technology LLC  
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to  
; FILE REFERENCE: (38-21)  
; CURRENT APPLICATION NUMBER: US/11/156,084



;; CURRENT FILING DATE: 2005-06-17  
;; NUMBER OF SEQ ID NOS: 364  
;; SOFTWARE: PatentIn version 3.2  
;; SEQ ID NO 80  
;; LENGTH: 150  
;; TYPE: PRT  
;; ORGANISM: Triticum aestivum  
US-11-156-084-80

Query Match 0.4%; Score 6; DB 7; Length 150;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVV 836  
DB 127 GLPVV 132

RESULT 87  
US-10-821-234-1086  
;; Sequence 1086, Application US/10821234  
;; Publication No. US2005025114A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Labat, Ivan  
;; APPLICANT: Stache-Craih, Birgit  
;; APPLICANT: Andarmat, Susan  
;; APPLICANT: Tang, Y. Tom  
;; TITLE OF INVENTION: Methods for diagnosis and treatment of Preeclampsia  
;; FILE REFERENCE: 821A  
;; CURRENT APPLICATION NUMBER: US/10/821,234  
;; CURRENT FILING DATE: 2004-04-07  
;; PRIOR APPLICATION NUMBER: US 60/462,047  
;; PRIOR FILING DATE: 2003-04-07  
;; NUMBER OF SEQ ID NOS: 1704  
;; SOFTWARE: pt\_seq\_genes Version 1.0  
;; SEQ ID NO 1086  
;; LENGTH: 153  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-821-234-1086

Query Match 0.4%; Score 6; DB 6; Length 153;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1527 SSTLSS 1532  
DB 106 SSTLSS 111

RESULT 88  
US-09-978-360A-456  
;; Sequence 456, Application US/09978360A  
;; Publication No. US20060009633A9  
;; GENERAL INFORMATION:  
;; APPLICANT: Edwards, Jean-Baptiste Dumas Milne  
;; APPLICANT: Duclet, Aymeric  
;; APPLICANT: Bougueleret, Lydie  
;; APPLICANT: Jobert, Severin  
;; APPLICANT: Clusel, Catherine  
;; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides  
;; FILE REFERENCE: 56.USA.CIP  
;; CURRENT APPLICATION NUMBER: US/09/978,360A  
;; PRIOR APPLICATION NUMBER: US 60/066,677  
;; PRIOR FILING DATE: 2001-10-15  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: US 60/069,957  
;; PRIOR FILING DATE: 1997-12-17  
;; PRIOR APPLICATION NUMBER: US 60/074,121  
;; PRIOR FILING DATE: 1998-02-09  
;; PRIOR APPLICATION NUMBER: US 60/081,563  
;; PRIOR FILING DATE: 1998-04-13  
;; PRIOR APPLICATION NUMBER: US 60/096,116

;; PRIOR FILING DATE: 1998-08-10  
;; PRIOR APPLICATION NUMBER: US 60/099,273  
;; PRIOR FILING DATE: -09-04  
;; PRIOR APPLICATION NUMBER: US 09/191,997  
;; PRIOR FILING DATE: 1998-11-13  
;; PRIOR APPLICATION NUMBER: US 09/215,435  
;; PRIOR FILING DATE: 1998-12-17  
;; PRIOR APPLICATION NUMBER: PCT/IB98/02122  
;; PRIOR FILING DATE: 1998-12-17  
;; PRIOR APPLICATION NUMBER: US 09/247,155  
;; PRIOR FILING DATE: 1999-02-09  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 810  
;; SOFTWARE: Patent.pm  
;; SEQ ID NO 456  
;; LENGTH: 155  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: SIGNAL  
;; LOCATION: -31..-1  
US-09-978-360A-456

Query Match 0.4%; Score 6; DB 5; Length 155;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1303 LLLPHC 1308  
DB 32 LLLPHC 37

RESULT 89  
US-10-401-386B-64  
;; Sequence 64, Application US/10401386B  
;; Publication No. US20050261213A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Patrick Branigan  
;; APPLICANT: Theresa J Goletz  
;; APPLICANT: David M Knight  
;; APPLICANT: Stephen G McCarthy  
;; APPLICANT: Bernard J Scallion  
;; APPLICANT: Linda A Snyder  
;; TITLE OF INVENTION: Nucleic Acid Compositions and Methods  
;; FILE REFERENCE: CEN 310CIP  
;; CURRENT APPLICATION NUMBER: US/10/401,386B  
;; CURRENT FILING DATE: 2003-03-28  
;; PRIOR APPLICATION NUMBER: 10/247,203  
;; PRIOR FILING DATE: 2002-09-19  
;; PRIOR APPLICATION NUMBER: 60/328,371  
;; PRIOR FILING DATE: 2001-10-10  
;; NUMBER OF SEQ ID NOS: 81  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 64  
;; LENGTH: 157  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-401-386B-64

Query Match 0.4%; Score 6; DB 6; Length 157;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1024 LKKEDE 1029  
DB 138 LKKEDE 143

RESULT 90  
US-10-401-386B-66  
;; Sequence 66, Application US/10401386B  
;; Publication No. US20050261213A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 66
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-66

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1024 LKKEDE 1029
Db      138 LKKEDE 143

RESULT 91
US-10-401-386B-68
/ Sequence 68, Application US/10401386B
/ Publication No. US20050261213A1
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 68
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-68

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1024 LKKEDE 1029
Db      138 LKKEDE 143

RESULT 92
US-10-401-386B-70
/ Sequence 70, Application US/10401386B
```

```
/ Publication No. US20050261213A1
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 70
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-70

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1024 LKKEDE 1029
Db      138 LKKEDE 143
```

```
RESULT 93
US-10-401-386B-76
/ Sequence 76, Application US/10401386B
/ Publication No. US20050261213A1
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 76
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-76

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1024 LKKEDE 1029
Db      138 LKKEDE 143

RESULT 94
US-10-401-386B-78
```

```
/ Sequence 78, Application US/10401386B
/ Publication No. US20050261213A1
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ TITLE OF INVENTION: For Use
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 78
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-78

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1024 LKKEDE 1029
DB 138 LKKEDE 143

RESULT 95
US-10-401-386B-80
/ Sequence 80, Application US/10401386B
/ Publication No. US20050261213A1
/ GENERAL INFORMATION:
/ APPLICANT: Patrick Branigan
/ APPLICANT: Theresa J Goletz
/ APPLICANT: David M Knight
/ APPLICANT: Stephen G McCarthy
/ APPLICANT: Bernard J Scallion
/ APPLICANT: Linda A Snyder
/ TITLE OF INVENTION: Nucleic Acid Compositions and Methods
/ TITLE OF INVENTION: For Use
/ FILE REFERENCE: CEN 310CIP
/ CURRENT APPLICATION NUMBER: US/10/401,386B
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 10/247,203
/ PRIOR FILING DATE: 2002-09-19
/ PRIOR APPLICATION NUMBER: 60/328,371
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 80
/ LENGTH: 157
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-401-386B-80

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 157;
Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1024 LKKEDE 1029
DB 138 LKKEDE 143

RESULT 96
```

```
US-11-055-822-948
/ Sequence 948, Application US/11055822
/ Publication No. US20050260707A1
/ GENERAL INFORMATION:
/ APPLICANT: Pompejus, Markus
/ APPLICANT: Kroege, Burkhard
/ APPLICANT: Schroder, Hartwig
/ APPLICANT: Zelder, Oskar
/ APPLICANT: Habermann, Gregor
/ TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
/ TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
/ FILE REFERENCE: BGI-121CPCN
/ CURRENT APPLICATION NUMBER: US/11/055,822
/ PRIOR FILING DATE: 2005-02-11
/ PRIOR APPLICATION NUMBER: 09/606,740
/ PRIOR FILING DATE: 2000-06-23
/ PRIOR APPLICATION NUMBER: 60/141,031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: 60/142,101
/ PRIOR FILING DATE: 1999-07-02
/ PRIOR APPLICATION NUMBER: 60/148,613
/ PRIOR FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: 60/187,970
/ PRIOR FILING DATE: 2000-03-09
/ PRIOR APPLICATION NUMBER: DE 19930476.9
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19931415.2
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931418.7
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931419.5
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931420.9
/ PRIOR FILING DATE: 1999-07-08
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1158
/ SEQ ID NO 948
/ LENGTH: 158
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-055-822-948

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 158;
Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 830 SGLPVP 835
DB 132 SGLPVP 137

RESULT 97
US-11-156-084-84
/ Sequence 84, Application US/11156084
/ Publication No. US20060010515A1
/ GENERAL INFORMATION:
/ APPLICANT: Monsanto Technology LLC
/ TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
/ TITLE OF INVENTION: agronomically interesting phenotypes
/ FILE REFERENCE: (38-21)
/ CURRENT APPLICATION NUMBER: US/11/156,084
/ PRIOR FILING DATE: 2005-06-17
/ PRIOR APPLICATION NUMBER: 60/364
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 84
/ LENGTH: 158
/ TYPE: PRT
/ ORGANISM: Triticum aestivum
US-11-156-084-84

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 158;
Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 831 GLPVVV 836  
|||||  
Db 127 GLPVVV 132

RESULT 98  
US-10-821-234-1321  
; Sequence 1321, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pc\_seq\_genes Version 1.0  
; SEQ ID NO 1321  
; LENGTH: 159  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1321

Query Match 0.4%; Score 6; DB 6; Length 159;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRRVV 349  
|||||  
Db 68 LRRVV 73

RESULT 99  
US-11-214-371-2  
; Sequence 2, Application US/11214371  
; Publication No. US20060003937A1  
; GENERAL INFORMATION:  
; APPLICANT: Lewis, Kathy  
; APPLICANT: Vale, Wylie  
; APPLICANT: Marilyn H. Perrin  
; APPLICANT: Jean E. Rivier  
; APPLICANT: Koichi S. Kunitake  
; APPLICANT: Jozsef Gulyas  
; TITLE OF INVENTION: Urocortin III and Uses Thereof  
; FILE REFERENCE: D6390  
; CURRENT APPLICATION NUMBER: US/11/214,371  
; CURRENT FILING DATE: 2005-08-29  
; PRIOR APPLICATION NUMBER: US/10/771,224  
; PRIOR FILING DATE: 2004-02-03  
; PRIOR APPLICATION NUMBER: US/10/099,766  
; PRIOR FILING DATE: 2002-03-15  
; PRIOR APPLICATION NUMBER: US 60/276,069  
; PRIOR FILING DATE: 2001-03-15  
; NUMBER OF SEQ ID NOS: 17  
; SEQ ID NO 2  
; LENGTH: 161  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; OTHER INFORMATION: Human urocortin III Precursor  
US-11-214-371-2

Query Match 0.4%; Score 6; DB 7; Length 161;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEE 217

Db 68 SSGEE 73  
|||||

RESULT 100  
US-10-667-295-132  
; Sequence 132, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 132  
; LENGTH: 162  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(162)  
; OTHER INFORMATION: Ceres Seq. ID no. 12456216  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(162)  
; OTHER INFORMATION: Xaa = any amino acid  
US-10-667-295-132

Query Match 0.4%; Score 6; DB 6; Length 162;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1022 GSLKE 1027  
|||||  
Db 60 GSLKE 65

RESULT 101  
US-10-454-437-336  
; Sequence 336, Application US/10454437  
; Publication No. US20050277115A1  
; GENERAL INFORMATION:  
; APPLICANT: Pompeius, Markus  
; APPLICANT: Krogger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zeidler, Oskar  
; APPLICANT: Haberer, Gregor  
; TITLE OF INVENTION: CORYNBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS  
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION  
; FILE REFERENCE: BGI-128PCN  
; CURRENT APPLICATION NUMBER: US/10/454,437  
; CURRENT FILING DATE: 2003-06-13  
; PRIOR APPLICATION NUMBER: US 60/141031  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: DE 19931636.8  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: DE 19932125.6  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932126.4  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932127.2  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932128.0  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932129.9  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR APPLICATION NUMBER: DE 19932226.0  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19932920.6

;; PRIOR FILING DATE: 1999-07-14  
;; PRIOR APPLICATION NUMBER: DE 19932922.2  
;; PRIOR FILING DATE: 1999-07-14  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 442  
;; SEQ ID NO 336  
;; LENGTH: 162  
;; TYPE: PRT  
;; ORGANISM: Corynebacterium glutamicum  
US-10-454-437-336

Query Match 0.4%; Score 6; DB 6; Length 162;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 213 SGEERA 218  
|||  
Db 94 SGEERA 99

RESULT 102  
US-11-156-084-133  
; Sequence 133, Application US/11156084  
; Publication No. US20060010515A1  
; GENERAL INFORMATION:  
; APPLICANT: Monsanto Technology LLC  
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to  
; FILE REFERENCE: (38-21)  
; CURRENT APPLICATION NUMBER: US/11/156,084  
; CURRENT FILING DATE: 2005-06-17  
; NUMBER OF SEQ ID NOS: 364  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 133  
; LENGTH: 163  
; TYPE: PRT  
; ORGANISM: Trifolium aestivum  
US-11-156-084-133

Query Match 0.4%; Score 6; DB 7; Length 163;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 831 GLPVPV 836  
|||||  
Db 127 GLPVPV 132

RESULT 103  
US-10-793-626-3026  
; Sequence 3026, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3026  
; LENGTH: 165  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: amino acid sequence  
US-10-793-626-3026

Query Match 0.4%; Score 6; DB 6; Length 165;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 816 RPVRVQ 821  
|||||  
Db 86 RPVRVQ 91

RESULT 104  
US-11-128-059-72  
; Sequence 72, Application US/11128059  
; Publication No. US20050287638A1  
; GENERAL INFORMATION:  
; APPLICANT: WEIGEL, PAUL H  
; APPLICANT: WEIGEL, JANET A  
; TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND  
; FILE REFERENCE: 5864.033  
; CURRENT APPLICATION NUMBER: US/11/128,059  
; CURRENT FILING DATE: 2005-05-12  
; PRIOR APPLICATION NUMBER: 60/570,915  
; PRIOR FILING DATE: 2004-05-13  
; PRIOR APPLICATION NUMBER: 10/133,172  
; PRIOR FILING DATE: 2002-04-25  
; PRIOR APPLICATION NUMBER: 60/286,468  
; PRIOR FILING DATE: 2001-04-25  
; PRIOR APPLICATION NUMBER: 09/842,930  
; NUMBER OF SEQ ID NOS: 100  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 72  
; LENGTH: 176  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-11-128-059-72

Query Match 0.4%; Score 6; DB 7; Length 176;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 YEGDGI 933  
|||||  
Db 163 YEGDGI 168

RESULT 105  
US-10-667-295-131  
; Sequence 131, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 131  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(178)  
; OTHER INFORMATION: Ceres Seq. ID no. 12456215  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(178)  
; OTHER INFORMATION: Xaa = any amino acid  
US-10-667-295-131

Query Match 0.4%; Score 6; DB 6; Length 178;

Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1022 GSKKE 1027  
Db 76 GSKKE 81

RESULT 106  
US-10-667-295-130  
; Sequence 130, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Masclia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 130  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(184)  
; OTHER INFORMATION: Ceres Seq. ID no. 12456214  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(184)  
; OTHER INFORMATION: Xaa = any amino acid  
US-10-667-295-130

Query Match 0.4%; Score 6; DB 6; Length 184;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1022 GSKKE 1027  
Db 82 GSKKE 87

RESULT 107  
US-10-453-372-896  
; Sequence 896, Application US/10453372  
; Publication No. US20060003323A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsobrook, et al.  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
; FILE REFERENCE: 21402-589 A  
; CURRENT APPLICATION NUMBER: US/10/453,372  
; CURRENT FILING DATE: 2003-06-03  
; PRIOR APPLICATION NUMBER: 09/789390  
; PRIOR FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 60/185967  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: 09/823187  
; PRIOR FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195792  
; PRIOR FILING DATE: 2000-03-10  
; PRIOR APPLICATION NUMBER: 09/839446  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/199476  
; PRIOR FILING DATE: 2000-03-25  
; PRIOR APPLICATION NUMBER: 09/863776  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: 60/208263  
; PRIOR FILING DATE: 2000-05-31  
; PRIOR APPLICATION NUMBER: 09/939398  
; PRIOR FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: 60/227800  
; PRIOR FILING DATE: 2000-08-25  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 1609  
; SOFTWARE: CuraseqList version 0.1  
; SEQ ID NO 896  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-453-372-896

Query Match 0.4%; Score 6; DB 6; Length 185;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPO 202  
Db 24 STALPO 29

RESULT 108  
US-10-873-528-15  
; Sequence 15, Application US/10873528  
; Publication No. US20050276814A1  
; GENERAL INFORMATION:  
; APPLICANT: Microbial Technics Limited  
; APPLICANT: Gilbert, Christophe FG  
; APPLICANT: Hanabro, Philip M  
; TITLE OF INVENTION: Proteins  
; FILE REFERENCE: PMC/P21123MO  
; CURRENT APPLICATION NUMBER: US/10/873,528  
; CURRENT FILING DATE: 2004-06-23  
; PRIOR APPLICATION NUMBER: US/09/769,787  
; PRIOR FILING DATE: 2001-01-26  
; PRIOR APPLICATION NUMBER: GB 9816337.1  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: US 60/125164  
; PRIOR FILING DATE: 1999-03-19  
; NUMBER OF SEQ ID NOS: 388  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 189  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-10-873-528-15

Query Match 0.4%; Score 6; DB 6; Length 189;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 795 RIEIDA 800  
Db 106 RIEIDA 111

RESULT 109  
US-10-453-372-894  
; Sequence 894, Application US/10453372  
; Publication No. US20060003323A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsobrook, et al.  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
; FILE REFERENCE: 21402-589 A  
; CURRENT APPLICATION NUMBER: US/10/453,372  
; CURRENT FILING DATE: 2003-06-03  
; PRIOR APPLICATION NUMBER: 09/789390  
; PRIOR FILING DATE: 2001-02-23  
; PRIOR APPLICATION NUMBER: 60/185967  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: 09/823187  
; PRIOR FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195792  
; PRIOR FILING DATE: 2000-03-10

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; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Curesqlist version 0.1
; SEQ ID NO 894
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-894
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Query Match      0.4%; Score 6; DB 6; Length 194;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      197 STALPQ 202
      |||||
      4 STALPQ 9
```

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RESULT 110
US-11-186-284-175
; Sequence 175, Application US/1186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: BURGART, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MEMO1-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 175
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-175
```

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Query Match      0.4%; Score 6; DB 7; Length 195;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      436 VKELKE 441
      |||||
      101 VKELKE 106
```

```

RESULT 111
US-11-153-880-5
; Sequence 5, Application US/1153880
; Publication No. US20050256050A1
; GENERAL INFORMATION:
; APPLICANT: HU, JING-SHAN
; APPLICANT: ROSEN, CRAIG A.
; APPLICANT: CAO, LIANG
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/153,880
; FILING DATE: 16-Jun-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/219,442
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/999,811
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/465,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: MARKOWICZ, KAREN R.
; REGISTRATION NUMBER: 36,351
; REFERENCE/DOCKET NUMBER: 1488.1000004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)371-2600
; TELEFAX: (202)371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 196 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Not Relevant
; MOLECULE TYPE: protein
US-11-153-880-5
```

```
Query Match      0.4%; Score 6; DB 7; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      47 AEIPRE 52
      |||||
      23 AEIPRE 28
```

```

RESULT 112
US-11-064-774A-125
; Sequence 125, Application US/11064774A
; Publication No. US20050267024A1
; GENERAL INFORMATION:
; APPLICANT: Altaleo et al.
; TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR ENDOTHELIAL GROW
; FILE REFERENCE: 28967/35977B2
; CURRENT APPLICATION NUMBER: US/11/064,774A
; CURRENT FILING DATE: 2005-02-24
```

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; PRIOR APPLICATION NUMBER: 09/795,006
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: US 60/205,331
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/185,205
; PRIOR FILING DATE: 2000-02-25
; NUMBER OF SEQ ID NOS: 1212
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO: 125
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-064-774A-125

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 196;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 47 AEPRE 52
Db 23 AEPRE 28

RESULT 113
US-11-211-724-3
; Sequence 3, Application US/11211724
; Publication No. US20050287143A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Vascular Endothelial Growth Factor 2
; FILE REFERENCE: PFI12P1
; CURRENT APPLICATION NUMBER: US/11/211,724
; CURRENT FILING DATE: 2005-08-26
; PRIOR APPLICATION NUMBER: US/08/465,968
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/207,550
; PRIOR FILING DATE: 1994-03-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 3
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-724-3

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 196;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 47 AEPRE 52
Db 23 AEPRE 28

RESULT 114
US-10-821-234-1295
; Sequence 1295, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labac, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO: 1295
; LENGTH: 197
```

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1295

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 197;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 438 ELKEAL 443
Db 180 ELKEAL 185

RESULT 115
US-10-714-887-134
; Sequence 134, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RICHMANN, Jose Luis
; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne
; APPLICANT: PINEDA, Omaira
; APPLICANT: SHERMAN, Bradley K
; TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
; FILE REFERENCE: MB10058-CIP
; CURRENT APPLICATION NUMBER: US/10/714,887
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 10/412,699
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/135,134
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 60/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 134
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Oryza sativa (japonica cultivar-group)
; FEATURE:
; OTHER INFORMATION: G3721 polypeptide Orthologous to G1274
US-10-714-887-134

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 197;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 164 SPFMS 169
Db 23 SPFMS 28
```



```
RESULT 116
US-11-082-389-136
; Sequence 136, Application US/11082389
; Publication No. US2005024935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroege, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habethauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 136
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-136

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 197;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 858 VLAEG 863
DB 148 VLAEG 153

RESULT 117
US-10-453-372-890
; Sequence 890, Application US/10453372
; Publication No. US2006000332A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
```

```
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CursSeqList version 0.1
; SEQ ID NO 890
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-890

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 203;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPQ 202
DB 24 STALPQ 29

RESULT 118
US-09-978-360A-534
; Sequence 534, Application US/09978360A
; Publication No. US20060009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56 US4, CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 534
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -30..-1
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US-09-978-360A-534

Query Match 0.4%; Score 6; DB 5; Length 211;

Best Local Similarity 100.0%; Pred. No. 3e+02; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 867 GEASPP 872

Db 2 GEASPP 7

RESULT 119

US-10-965-972-1

; Sequence 1, Application US/10965972

; Publication No. US20050266421A1

; GENERAL INFORMATION:

; APPLICANT: Immunex Corporation

; APPLICANT: Bird, Timothy A.

; TITLE OF INVENTION: Claudin Polypeptides, Polynucleotides, and Methods of Making and

; FILE REFERENCE: 3426-NO

; CURRENT APPLICATION NUMBER: US/10/965,972

; PRIOR FILING DATE: 2004-10-15

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-965-972-1

Query Match 0.4%; Score 6; DB 6; Length 211;

Best Local Similarity 100.0%; Pred. No. 3e+02; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 197 STALPQ 202

Db 24 STALPQ 29

RESULT 120

US-11-186-284-22

; Sequence 22, Application US/11186284

; Publication No. US20050266493A1

; GENERAL INFORMATION:

; APPLICANT: Millennium Pharmaceuticals, Inc.

; APPLICANT: Berger, Allison

; APPLICANT: Guillemette, Tracy L.

; APPLICANT: Kamatkar, Shubhangi

; APPLICANT: Schlegel, Robert

; APPLICANT: Monahan, John E.

; APPLICANT: Thibodeau, Stephen N.

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND

; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSASSMENT, PREVENTION, AND

; FILE REFERENCE: MPM01-0292RRM

; CURRENT APPLICATION NUMBER: US/11/186,284

; CURRENT FILING DATE: 2005-07-21

; PRIOR APPLICATION NUMBER: US/10/301,822

; PRIOR FILING DATE: 2002-11-21

; PRIOR APPLICATION NUMBER: US 60/339,971

; PRIOR FILING DATE: 2001-12-10

; PRIOR APPLICATION NUMBER: US 60/361,978

; PRIOR FILING DATE: 2002-03-05

; PRIOR APPLICATION NUMBER: US 60/381,988

; PRIOR FILING DATE: 2002-05-20

; NUMBER OF SEQ ID NOS: 228

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 22

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Homo Sapiens

US-11-186-284-22

Query Match 0.4%; Score 6; DB 7; Length 211;

Best Local Similarity 100.0%; Pred. No. 3e+02; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 197 STALPQ 202

Db 24 STALPQ 29

RESULT 121

US-11-075-400-18

; Sequence 18, Application US/11075400

; Publication No. US2005028223A1

; GENERAL INFORMATION:

; APPLICANT: ERIKSSON, et al.

; TITLE OF INVENTION: MULTIVALENT ANTIBODY MATERIALS AND METHODS FORVEGF/PDGF FAMILY OF

; FILE REFERENCE: 28967/39820B

; CURRENT APPLICATION NUMBER: US/11/075,400

; CURRENT FILING DATE: 2005-03-07

; PRIOR APPLICATION NUMBER: US 60/550,511

; PRIOR FILING DATE: 2004-03-05

; PRIOR APPLICATION NUMBER: US 60/586,662

; PRIOR FILING DATE: 2004-07-09

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 18

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-075-400-18

Query Match 0.4%; Score 6; DB 7; Length 211;

Best Local Similarity 100.0%; Pred. No. 3e+02; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 47 AEIPRE 52

Db 23 AEIPRE 28

RESULT 122

US-10-793-626-1628

; Sequence 1628, Application US/10793626

; Publication No. US20050255478A1

; GENERAL INFORMATION:

; APPLICANT: KIMMERLY, WILLIAM JOHN

; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

; FILE REFERENCE: P03480US

; CURRENT APPLICATION NUMBER: US/10/793,626

; CURRENT FILING DATE: 2004-03-04

; PRIOR APPLICATION NUMBER: 60/164,258

; PRIOR FILING DATE: 1999-11-09

; NUMBER OF SEQ ID NOS: 4472

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1628

; LENGTH: 212

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence: synthetic

; OTHER INFORMATION: amino acid sequence

US-10-793-626-1628

Query Match 0.4%; Score 6; DB 6; Length 212;

Best Local Similarity 100.0%; Pred. No. 3.1e+02; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 1530 LSSKV 1535

Db 1530 LSSKV 1535

Db 171 LSSKV 176

RESULT 123

US-10-793-626-1966  
; Sequence 1966, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1966  
; LENGTH: 212  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-1966

Query Match 0.4%; Score 6; DB 6; Length 212;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1530 LSSKV 1535  
|||||

Db 171 LSSKV 176

RESULT 124

US-10-878-556A-183  
; Sequence 183, Application US/10878556A  
; Publication No. US20050266399A1  
; GENERAL INFORMATION:  
; APPLICANT: Hoffmann La-Roche Inc.  
; TITLE OF INVENTION: HCV regulated protein expression  
; FILE REFERENCE: 21762  
; CURRENT APPLICATION NUMBER: US/10/878,556A  
; CURRENT FILING DATE: 2004-06-28  
; NUMBER OF SEQ ID NOS: 199  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 183  
; LENGTH: 214  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; PUBLICATION INFORMATION:  
; DATABASE ACCESSION NUMBER: sw\_hum/pdx5\_human  
; DATABASE ENTRY DATE: 1993-04-01  
US-10-878-556A-183

Query Match 0.4%; Score 6; DB 6; Length 214;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1333 AEGKV 1338  
|||||

Db 143 AEGKV 148

RESULT 125

US-11-067-425A-73  
; Sequence 73, Application US/11067425A  
; Publication No. US20050278809A1  
; GENERAL INFORMATION:  
; APPLICANT: Hannoufa, Abdelali  
; APPLICANT: Lydiate, Derek J.  
; APPLICANT: Gao, Ming-Jun

; TITLE OF INVENTION: REGULATION OF GENE EXPRESSION USING CHROMATIN REMODELLING FACTOR;

; FILE REFERENCE: 270.78US11  
; CURRENT APPLICATION NUMBER: US/11/067,425A  
; CURRENT FILING DATE: 2005-02-22  
; PRIOR APPLICATION NUMBER: US 10/516,753  
; PRIOR FILING DATE: 2004-12-03  
; PRIOR APPLICATION NUMBER: PCT/CA03/00822  
; PRIOR FILING DATE: 2003-06-06  
; PRIOR APPLICATION NUMBER: US 60/387,088  
; PRIOR FILING DATE: 2002-06-06  
; NUMBER OF SEQ ID NOS: 108  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 73  
; LENGTH: 214  
; TYPE: PRT  
; ORGANISM: Arabidopsis  
US-11-067-425A-73

Query Match 0.4%; Score 6; DB 7; Length 214;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGL 1132  
|||||

Db 27 SSRIGL 32

RESULT 126

US-10-821-234-984  
; Sequence 984, Application US/10821234  
; Publication No. US2005025514A1  
; GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methode for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821,234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pc\_seq\_genes Version 1.0  
; SEQ ID NO 984  
; LENGTH: 216  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(216)  
; OTHER INFORMATION: Xaa = any amino acid or nothing  
US-10-821-234-984

Query Match 0.4%; Score 6; DB 6; Length 216;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1301 ANLLP 1306  
|||||

Db 77 ANLLP 82

RESULT 127

US-11-186-284-165  
; Sequence 165, Application US/11186284  
; Publication No. US20050266493A1  
; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc.  
; APPLICANT: Berger, Allison  
; APPLICANT: Guillemette, Tracy L.  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Schlegel, Robert

```

; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgate, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY FOR COLON CANCER
; FILE REFERENCE: MP001-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FaSTSeq for Windows Version 4.0
; SEQ ID NO: 165
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-165

Query Match          0.4%; Score 6; DB 7; Length 217;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      459 VREDLA 464
      |||||
DB      123 VREDLA 128

RESULT 128
US-11-056-408-12
; Sequence 12, Application US/11056408
; Publication No. US20060005267A1
; GENERAL INFORMATION:
; APPLICANT: Guttridge, Steven
; APPLICANT: Tao, Yong
; TITLE OF INVENTION: Peptide Deformylase
; FILE REFERENCE: BB-1503 US CIP
; CURRENT APPLICATION NUMBER: US/11/056,408
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 10/359,513
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO: 12
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Glycine max
US-11-056-408-12

Query Match          0.4%; Score 6; DB 7; Length 217;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1130 IGLSAP 1135
      |||||
DB      66 IGLSAP 71

RESULT 129
US-10-453-372-892
; Sequence 892, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsopook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
```

```

; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO: 892
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-892

Query Match          0.4%; Score 6; DB 6; Length 218;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      197 STALPQ 202
      |||||
DB      28 STALPQ 33

RESULT 130
US-11-082-389-318
; Sequence 318, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroeder, Hartwig
; APPLICANT: Zeldner, Oskar
; APPLICANT: Haberman, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131CPN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
```

```
/ PRIOR APPLICATION NUMBER: DE 19932134.5
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19941379.7
/ PRIOR FILING DATE: 1999-08-31
/ REMAINING PRIOR APPLICATION data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 446
/ SEQ ID NO 318
/ LENGTH: 218
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-082-389-318
```

```
Query Match
Best Local Similarity 100.0%; Pred. No. 3.1e+02; Length 218;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1437 GYGIGA 1442
DB 150 GYGIGA 155
```

```
RESULT 131
US-11-156-084-136
/ Sequence 136, Application US/11156084
/ Publication No. US20060010515A1
/ GENERAL INFORMATION:
/ APPLICANT: Monsanto Technology LLC
/ TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
/ FILE REFERENCE: (38-21)
/ CURRENT APPLICATION NUMBER: US/11/156,084
/ CURRENT FILING DATE: 2005-06-17
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 136
/ LENGTH: 220
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ NAME/KEY: m18c_feature
/ LOCATION: (195)..(195)
/ OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-156-084-136
```

```
Query Match
Best Local Similarity 100.0%; Pred. No. 3.2e+02; Length 220;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 831 GLPVVV 836
DB 131 GLPVVV 136
```

```
RESULT 132
US-11-125-295-5
/ Sequence 5, Application US/11125295
/ Publication No. US20050287562A1
/ GENERAL INFORMATION:
/ APPLICANT: Hu, Yi
/ APPLICANT: Nepomniachy, Boris
/ APPLICANT: Wang, Xiaoming
/ APPLICANT: Donoho, Gregory
/ APPLICANT: Scoville, John
/ APPLICANT: Walke, D. Wade
/ TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
/ FILE REFERENCE: LEX-0167-USA
/ CURRENT APPLICATION NUMBER: US/11/125,295
/ CURRENT FILING DATE: 2005-05-09
/ PRIOR APPLICATION NUMBER: US/10/620,845
/ PRIOR FILING DATE: 2003-07-15
/ PRIOR APPLICATION NUMBER: US/09/841,683
/ PRIOR FILING DATE: 2001-04-24
/ PRIOR APPLICATION NUMBER: US 60/199,499
```

```
/ PRIOR FILING DATE: 2000-04-25
/ PRIOR APPLICATION NUMBER: US 60/201,227
/ PRIOR FILING DATE: 2000-05-01
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 5
/ LENGTH: 225
/ TYPE: PRT
/ ORGANISM: homo sapiens
US-11-125-295-5
```

```
Query Match
Best Local Similarity 100.0%; Pred. No. 3.2e+02; Length 225;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 173 LLLGGD 178
DB 102 LLLGGD 107
```

```
RESULT 133
US-10-467-657-2594
/ Sequence 2594, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: FONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIANNI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9216
/ SOFTWARE: SeqWIn99, version 1.04
/ SEQ ID NO 2594
/ LENGTH: 227
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2594
```

```
Query Match
Best Local Similarity 100.0%; Pred. No. 3.3e+02; Length 227;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 859 LAEAGG 864
DB 179 LAEAGG 184
```

```
RESULT 134
US-10-667-295-86
/ Sequence 86, Application US/10667295
/ Publication No. US20050257293A1
/ GENERAL INFORMATION:
/ APPLICANT: Mascia, Peter
/ TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
/ FILE REFERENCE: 11696-047001
/ CURRENT APPLICATION NUMBER: US/10/667,295
/ CURRENT FILING DATE: 2003-09-17
/ PRIOR APPLICATION NUMBER: US 60/411,823
/ PRIOR FILING DATE: 2002-09-17
/ NUMBER OF SEQ ID NOS: 263
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 86
/ LENGTH: 230
/ TYPE: PRT
/ ORGANISM: Arabidopsis thaliana
/ FEATURE:
/ NAME/KEY: VARIANT
```

/ LOCATION: (1)...(230)  
/ OTHER INFORMATION: Ceres Seq. ID no. 12738856  
US-10-667-295-86

Query Match 0.4%; Score 6; DB 6; Length 230;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELK 440  
DB 120 SVKELK 125

RESULT 135  
US-11-074-176-224

/ Sequence 224, Application US/11074176  
/ Publication No. US20050250135A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Kjaenhammer, Todd R.  
/ APPLICANT: Russell, William M.  
/ APPLICANT: Altermann, Eric  
/ APPLICANT: McAniff, Olivia  
/ APPLICANT: Peril, Andrea Azcarate  
/ TITLE OF INVENTION: Nucleic Acid Sequences Encoding  
/ TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore  
/ FILE REFERENCE: 5051-694  
/ CURRENT APPLICATION NUMBER: US/11/074,176  
/ PRIOR FILING DATE: 2005-03-07  
/ PRIOR APPLICATION NUMBER: 60/551,161  
/ PRIOR FILING DATE: 2004-03-08  
/ NUMBER OF SEQ ID NOS: 381  
/ SOFTWARE: FastSeq for Windows Version 4.0  
/ SEQ ID NO 224  
/ LENGTH: 230  
/ TYPE: PRT  
/ ORGANISM: Lactobacillus acidophilus  
US-11-074-176-224

Query Match 0.4%; Score 6; DB 7; Length 230;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 789 VYTFDE 794  
DB 213 VYTFDE 218

RESULT 136  
US-11-108-172-1060

/ Sequence 1060, Application US/11108172  
/ Publication No. US20050260177A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Xu, Jiangchun  
/ APPLICANT: Lodes, Michael J.  
/ APPLICANT: Secrist, Heather  
/ APPLICANT: Benson, Darin R.  
/ APPLICANT: Meagher, Madeleine Joy  
/ APPLICANT: Stolk, John A.  
/ APPLICANT: Wang, Tongcong  
/ APPLICANT: Jiang, Yugu  
/ APPLICANT: Smith, Carole L.  
/ APPLICANT: King, Gordon E.  
/ APPLICANT: Wang, Aijun  
/ APPLICANT: Clapper, Jonathan D.  
/ APPLICANT: Skeiky, Yaelir A. W.  
/ APPLICANT: Fanger, Gary R.  
/ APPLICANT: Vedvyck Thomas S.  
/ APPLICANT: Carter, Darrick  
/ TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
/ TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
/ FILE REFERENCE: 210121.471C15  
/ CURRENT APPLICATION NUMBER: US/11/108,172  
/ CURRENT FILING DATE: 2005-04-15

/ PRIOR APPLICATION NUMBER: US 10/025,380  
/ PRIOR FILING DATE: 2001-12-19  
/ PRIOR APPLICATION NUMBER: US 09/922,217  
/ PRIOR FILING DATE: 2001-08-03  
/ PRIOR APPLICATION NUMBER: US 09/833,263  
/ PRIOR FILING DATE: 2001-04-10  
/ PRIOR APPLICATION NUMBER: US 09/649,811  
/ PRIOR FILING DATE: 2000-08-28  
/ PRIOR APPLICATION NUMBER: US 09/609,448  
/ PRIOR FILING DATE: 2000-06-29  
/ PRIOR APPLICATION NUMBER: US 09/575,251  
/ PRIOR FILING DATE: 2000-05-19  
/ PRIOR APPLICATION NUMBER: US 09/519,444  
/ PRIOR FILING DATE: 2000-03-06  
/ PRIOR APPLICATION NUMBER: US 09/504,629  
/ PRIOR FILING DATE: 2000-02-15  
/ PRIOR APPLICATION NUMBER: US 09/480,321  
/ PRIOR FILING DATE: 2000-01-10  
/ PRIOR APPLICATION NUMBER: US 09/476,296  
/ PRIOR FILING DATE: 1999-12-30  
/ Remaining Prior Application data removed - See File Wrapper or PALM.  
/ NUMBER OF SEQ ID NOS: 1130  
/ SOFTWARE: FastSeq for Windows Version 4.0  
/ SEQ ID NO 1060  
/ LENGTH: 230  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-11-108-172-1060

Query Match 0.4%; Score 6; DB 7; Length 230;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 QVASSL 156  
DB 56 QVASSL 61

RESULT 137  
US-11-128-059-66  
/ Sequence 66, Application US/11128059  
/ Publication No. US20050287638A1  
/ GENERAL INFORMATION:  
/ APPLICANT: WEIGEL, PAUL H.  
/ APPLICANT: WEIGEL, JANET A.  
/ TITLE OF INVENTION: HYALURONAN RECEPTOR FOR ENDOCYTOSIS, VARIANTS THEREOF, AND  
/ TITLE OF INVENTION: METHODS OF MAKING AND USING SAME  
/ FILE REFERENCE: 5864.033  
/ CURRENT APPLICATION NUMBER: US/11/128,059  
/ PRIOR FILING DATE: 2005-05-12  
/ PRIOR APPLICATION NUMBER: 60/570,915  
/ PRIOR FILING DATE: 2004-05-13  
/ PRIOR APPLICATION NUMBER: 10/133,172  
/ PRIOR FILING DATE: 2002-04-25  
/ PRIOR APPLICATION NUMBER: 60/286,468  
/ PRIOR FILING DATE: 2001-04-25  
/ PRIOR APPLICATION NUMBER: 09/842,930  
/ PRIOR FILING DATE: 2001-04-25  
/ NUMBER OF SEQ ID NOS: 100  
/ SOFTWARE: PatentIn version 3.3  
/ SEQ ID NO 66  
/ LENGTH: 232  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-11-128-059-66

Query Match 0.4%; Score 6; DB 7; Length 232;  
Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 YEGDGI 933  
DB 218 YEGDGI 223

```
RESULT 138
US-11-125-295-7
; Sequence 7, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomniichy, Boris
; APPLICANT: Wang, Xiaoming
; APPLICANT: Donoho, Gregory
; APPLICANT: Scoville, John
; APPLICANT: Walke, D. Wade
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0167-USA
; CURRENT APPLICATION NUMBER: US/11/125,295
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/620,845
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US/09/841,683
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: US 60/199,499
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: US 60/201,227
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 236
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-125-295-7

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 236;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 173 LLLGGD 178
Db 102 LLLGGD 107

RESULT 139
US-10-454-437-180
; Sequence 180, Application US/10454437
; Publication No. US2005027115A1
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kroeger, Burkhard
; APPLICANT: Schroeder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
```

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; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 180
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-180

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 237;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 373 GYDGGD 378
Db 42 GYDGGD 47

RESULT 140
US-10-821-234-1186
; Sequence 1186, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmah, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pc_seq_genes Version 1.0
; SEQ ID NO 1186
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1186

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 239;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 809 SPLCSG 814
Db 103 SPLCSG 108

RESULT 141
US-09-978-360A-626
; Sequence 626, Application US/09978360A
; Publication No. US2006009633A9
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Ubert, Severin
; APPLICANT: Clusel, Catherine
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56_US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978,360A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/066,677
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: US 60/069,957
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: US 60/074,121
; PRIOR FILING DATE: 1998-02-09
```

```
; PRIOR APPLICATION NUMBER: US 60/081,563
; PRIOR FILING DATE: 1998-04-13
; PRIOR APPLICATION NUMBER: US 60/096,116
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: US 60/099,273
; PRIOR FILING DATE: -09-04
; PRIOR APPLICATION NUMBER: US 09/191,997
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: US 09/215,435
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: PCT/IB98/02122
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: US 09/247,155
; PRIOR FILING DATE: 1999-02-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pm
; SEQ ID NO 626
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -30...-1
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 100,103,122,165,182,184,185,200,207
; OTHER INFORMATION: unknown
; US-09-978-360A-626
```

```
Query Match          0.4%; Score 6; DB 5; Length 242;
Best Local Similarity 100.0%; Pred.No.3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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QY      867 GEASPP 872
Db      2 GEASPP 7
```

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RESULT 142
US-10-506-443A-71
; Sequence 71, Application US/10506443A
; Publication No. US20060013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-506-443A-71

Query Match          0.4%; Score 6; DB 6; Length 242;
Best Local Similarity 100.0%; Pred.No.3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      867 GEASPP 872
Db      2 GEASPP 7

RESULT 143
US-10-453-372-214
; Sequence 214, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; PRIOR FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 214
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-214
```

```
Query Match          0.4%; Score 6; DB 6; Length 244;
Best Local Similarity 100.0%; Pred.No.3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      928 YEGDGI 933
Db      75 YEGDGI 80
```

```
RESULT 144
US-11-186-284-167
; Sequence 167, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MPW01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 167
```



```
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-167

Query Match          0.4%; Score 6; DB 7; Length 245;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      459 VREDLA 464
      |||||
Db      123 VREDLA 128

RESULT 145
US-11-054-515-1403
; Sequence 1403, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1403
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1403

Query Match          0.4%; Score 6; DB 7; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1462 ITADTL 1467
      |||||
Db      70 ITADTL 75

RESULT 146
US-11-054-515-1440
; Sequence 1440, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
```

```
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1440
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1440

Query Match          0.4%; Score 6; DB 7; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1462 ITADTL 1467
      |||||
Db      70 ITADTL 75

RESULT 147
US-10-467-657-932
; Sequence 932, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 932
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-932

Query Match          0.4%; Score 6; DB 6; Length 249;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      461 EDLAGA 466
      |||||
Db      121 EDLAGA 126

RESULT 148
US-11-055-822-892
; Sequence 892, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
```

```
/ APPLICANT: Pompejus, Markus
/ APPLICANT: Kroger, Burkhard
/ APPLICANT: Schroder, Hartwig
/ APPLICANT: Zelder, Oskar
/ APPLICANT: Haberhauser, Gregor
/ TITLE OF INVENTION: CORYNBACTERIUM GLUTAMICUM GENES ENCODING
/ FILE REFERENCE: BGI-121CPN
/ CURRENT APPLICATION NUMBER: US/11/055,822
/ PRIOR FILING DATE: 2005-02-11
/ PRIOR APPLICATION NUMBER: 09/606,740
/ PRIOR FILING DATE: 2000-06-23
/ PRIOR APPLICATION NUMBER: 60/141,031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: 60/142,101
/ PRIOR FILING DATE: 1999-07-02
/ PRIOR APPLICATION NUMBER: 60/148,613
/ PRIOR FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: 60/187,970
/ PRIOR FILING DATE: 2000-03-09
/ PRIOR APPLICATION NUMBER: DE 19930476.9
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19931415.2
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931418.7
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931419.5
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931420.9
/ PRIOR FILING DATE: 1999-07-08
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1158
/ SEQ ID NO 892
/ LENGTH: 251
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-055-822-892
```

```
Query Match      0.4%; Score 6; DB 7; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      307 PIVSEE 312
        |||||
Db      47 PIVSEE 52
```

```
RESULT 149
US-10-454-437-150
/ Sequence 150, Application US/10454437
/ Publication No. US20050277115A1
/ GENERAL INFORMATION:
/ APPLICANT: Pompejus, Markus
/ APPLICANT: Kroger, Burkhard
/ APPLICANT: Schroder, Hartwig
/ APPLICANT: Zelder, Oskar
/ APPLICANT: Haberhauser, Gregor
/ TITLE OF INVENTION: CORYNBACTERIUM GLUTAMICUM GENES ENCODING
/ TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
/ FILE REFERENCE: BGI-128CPN
/ CURRENT APPLICATION NUMBER: US/10/454,437
/ PRIOR FILING DATE: 2003-06-13
/ PRIOR APPLICATION NUMBER: US 60/141031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: DE 19931636.8
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19932125.6
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932126.4
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932127.2
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932128.0
```

```
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932129.9
/ PRIOR FILING DATE: 1999-07-19
/ PRIOR APPLICATION NUMBER: DE 19932226.0
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932920.6
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932922.2
/ PRIOR FILING DATE: 1999-07-14
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 442
/ SEQ ID NO 150
/ LENGTH: 255
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-10-454-437-150
```

```
Query Match      0.4%; Score 6; DB 6; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      158 QSGPLN 163
        |||||
Db      172 QSGPLN 177
```

```
RESULT 150
US-10-454-437-152
/ Sequence 152, Application US/10454437
/ Publication No. US20050277115A1
/ GENERAL INFORMATION:
/ APPLICANT: Pompejus, Markus
/ APPLICANT: Kroger, Burkhard
/ APPLICANT: Schroder, Hartwig
/ APPLICANT: Zelder, Oskar
/ APPLICANT: Haberhauser, Gregor
/ TITLE OF INVENTION: CORYNBACTERIUM GLUTAMICUM GENES ENCODING
/ TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
/ FILE REFERENCE: BGI-128CPN
/ CURRENT APPLICATION NUMBER: US/10/454,437
/ PRIOR FILING DATE: 2003-06-13
/ PRIOR APPLICATION NUMBER: US 60/141031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: DE 19931636.8
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19932125.6
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932126.4
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932127.2
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932128.0
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932129.9
/ PRIOR FILING DATE: 1999-07-19
/ PRIOR APPLICATION NUMBER: DE 19932226.0
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932920.6
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19932922.2
/ PRIOR FILING DATE: 1999-07-14
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 442
/ SEQ ID NO 152
/ LENGTH: 255
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-10-454-437-152
```

```
Query Match      0.4%; Score 6; DB 6; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 158 QSGPLN 163  
|||  
Db 172 QSGPLN 177

RESULT 151  
US-11-054-515-1285

; Sequence 1285, Application US/11054515  
; Publication No: US20050255532A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys

; FILE REFERENCE: PFS23P3

; CURRENT APPLICATION NUMBER: US/11/054,515

; CURRENT FILING DATE: 2005-02-10

; PRIOR APPLICATION NUMBER: 60/543,296

; PRIOR FILING DATE: 2004-02-11

; PRIOR APPLICATION NUMBER: 60/580,347

; PRIOR FILING DATE: 2004-06-18

; PRIOR APPLICATION NUMBER: 10/293,418

; PRIOR FILING DATE: 2002-11-14

; PRIOR APPLICATION NUMBER: 60/331,469

; PRIOR FILING DATE: 2001-11-16

; PRIOR APPLICATION NUMBER: 60/340,817

; PRIOR FILING DATE: 2001-12-19

; PRIOR APPLICATION NUMBER: 09/880,748

; PRIOR FILING DATE: 2001-06-15

; PRIOR APPLICATION NUMBER: 60/293,499

; PRIOR FILING DATE: 2001-05-25

; PRIOR APPLICATION NUMBER: 60/277,379

; PRIOR FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 60/276,248

; PRIOR FILING DATE: 2001-03-16

; PRIOR APPLICATION NUMBER: 60/240,816

; PRIOR FILING DATE: 2000-10-17

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 3247

; SEQ ID NO 1285

; LENGTH: 256

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-054-515-1285

Query Match 0.4%; Score 6; DB 7; Length 256;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1462 ITADTL 1467  
|||||  
Db 70 ITADTL 75

RESULT 152

US-10-793-626-170

; Sequence 170, Application US/10793626

; Publication No: US20050255478A1

; GENERAL INFORMATION:

; APPLICANT: KIMMERLY, WILLIAM JOHN

; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

; FILE REFERENCE: PU3480US

; CURRENT APPLICATION NUMBER: US/10/793,626

; CURRENT FILING DATE: 2004-03-04

; PRIOR APPLICATION NUMBER: 60/164,258

; PRIOR FILING DATE: 1999-11-09

; NUMBER OF SEQ ID NOS: 4472

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 170

; LENGTH: 258

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: synthetic

; OTHER INFORMATION: amino acid sequence

US-10-793-626-170

Query Match

Best Local Similarity 100.0%; Score 6; DB 6; Length 258;  
Pred. No. 3.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 755 LENKES 760  
|||||  
Db 249 LENKES 254

RESULT 153

US-10-793-626-1614

; Sequence 1614, Application US/10793626

; Publication No: US20050255478A1

; GENERAL INFORMATION:

; APPLICANT: KIMMERLY, WILLIAM JOHN

; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS

; FILE REFERENCE: PU3480US

; CURRENT APPLICATION NUMBER: US/10/793,626

; CURRENT FILING DATE: 2004-03-04

; PRIOR APPLICATION NUMBER: 60/164,258

; PRIOR FILING DATE: 1999-11-09

; NUMBER OF SEQ ID NOS: 4472

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1614

; LENGTH: 258

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: synthetic

; OTHER INFORMATION: amino acid sequence

US-10-793-626-1614

Query Match 0.4%; Score 6; DB 6; Length 258;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 755 LENKES 760  
|||||  
Db 249 LENKES 254

RESULT 154

US-11-082-389-266

; Sequence 266, Application US/11082389

; Publication No: US20050244935A1

; GENERAL INFORMATION:

; APPLICANT: Pompeius, Markus

; APPLICANT: Kroger, Burkhard

; APPLICANT: Schroder, Hartwig

; APPLICANT: Zelder, Oskar

; APPLICANT: Haberer, Gregor

; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS

; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE

; TITLE OF INVENTION: TRANSPORT

; FILE REFERENCE: BGI-131CPN

; CURRENT APPLICATION NUMBER: US/11/082,389

; CURRENT FILING DATE: 2005-03-16

; PRIOR APPLICATION NUMBER: US 09/603024

; PRIOR FILING DATE: 2000-06-23

; PRIOR APPLICATION NUMBER: US 60/141031

; PRIOR FILING DATE: 1999-06-25

; PRIOR APPLICATION NUMBER: US 60/143262

; PRIOR FILING DATE: 1999-07-09

; PRIOR APPLICATION NUMBER: US 60/151281

; PRIOR FILING DATE: 1999-08-27

; PRIOR APPLICATION NUMBER: DE 19930487.4

; PRIOR FILING DATE: 1999-07-01

; PRIOR APPLICATION NUMBER: DE 19930489.0

; PRIOR FILING DATE: 1999-07-01

; PRIOR APPLICATION NUMBER: DE 19931549.3

; PRIOR FILING DATE: 1999-07-08

```
/ PRIOR APPLICATION NUMBER: DE 19931550.7
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19932134.5
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19941379.7
/ PRIOR FILING DATE: 1999-08-31
/ Remaining prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 446
/ SEQ ID NO 266
/ LENGTH: 259
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-082-389-266
```

```
Query Match      0.4%; Score 6; DB 7; Length 259;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      24 QVGLPI 29
      |||||
Db      115 QVGLPI 120
```

```
RESULT 155
US-11-000-463-276
/ Sequence 276, Application US/11000463
/ Publication No. US20050266423A1
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y Tom
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Chen, Rui-hong
/ APPLICANT: Qian, Xiaohong B.
/ APPLICANT: Wang, Zhiwei
/ APPLICANT: Wehrman, Tom
/ APPLICANT: Zhang, Jie
/ APPLICANT: Zhou, Ping
/ APPLICANT: Cao, Yi-Cheng
/ APPLICANT: Drmanac, Radcoje T.
/ TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
/ FILE REFERENCE: 785CIP4CN
/ CURRENT APPLICATION NUMBER: US/11/000,463
/ CURRENT FILING DATE: 2004-11-29
/ PRIOR APPLICATION NUMBER: 10/291,265
/ PRIOR FILING DATE: 2002-11-08
/ PRIOR APPLICATION NUMBER: PCT/US01/02623
/ PRIOR FILING DATE: 2001-01-25
/ PRIOR APPLICATION NUMBER: 09/922,279
/ PRIOR FILING DATE: 2001-08-03
/ PRIOR APPLICATION NUMBER: 09/491,404
/ PRIOR FILING DATE: 2000-01-25
/ PRIOR APPLICATION NUMBER: 09/617,746
/ PRIOR FILING DATE: 2000-07-17
/ PRIOR APPLICATION NUMBER: 09/631,451
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: 09/633,870
/ PRIOR FILING DATE: 2000-09-15
/ NUMBER OF SEQ ID NOS: 944
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 276
/ LENGTH: 259
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-000-463-276
```

```
Query Match      0.4%; Score 6; DB 7; Length 259;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1531 SSKV1 1536
      |||||
Db      234 SSKV1 239
```

```
RESULT 156
US-11-156-084-112
/ Sequence 112, Application US/11156084
/ Publication No. US20060010515A1
/ GENERAL INFORMATION:
/ APPLICANT: Monsanto Technology LLC
/ TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
/ FILE REFERENCE: (38-21)
/ CURRENT APPLICATION NUMBER: US/11/156,084
/ CURRENT FILING DATE: 2005-06-17
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 112
/ LENGTH: 262
/ TYPE: PRT
/ ORGANISM: Zea mays
US-11-156-084-112
```

```
Query Match      0.4%; Score 6; DB 7; Length 262;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      831 GLPVV 836
      |||||
Db      136 GLPVV 141
```

```
RESULT 157
US-11-056-408-4
/ Sequence 4, Application US/11056408
/ Publication No. US2006005267A1
/ GENERAL INFORMATION:
/ APPLICANT: Guttridge, Steven
/ APPLICANT: Tao, Yong
/ TITLE OF INVENTION: Peptide Deformylase
/ FILE REFERENCE: BB-1503 US CIP
/ CURRENT APPLICATION NUMBER: US/11/056,408
/ CURRENT FILING DATE: 2005-02-11
/ PRIOR APPLICATION NUMBER: 10/359,513
/ PRIOR FILING DATE: 2003-02-06
/ PRIOR APPLICATION NUMBER: 60/355007
/ PRIOR FILING DATE: 2002-02-08
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: Microsoft Office 97
/ SEQ ID NO 4
/ LENGTH: 267
/ TYPE: PRT
/ ORGANISM: Oryza sativa
US-11-056-408-4
```

```
Query Match      0.4%; Score 6; DB 7; Length 267;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1130 IGLSAP 1135
      |||||
Db      117 IGLSAP 122
```

```
RESULT 158
US-11-056-408-14
/ Sequence 14, Application US/11056408
/ Publication No. US2006005267A1
/ GENERAL INFORMATION:
/ APPLICANT: Guttridge, Steven
/ APPLICANT: Tao, Yong
/ TITLE OF INVENTION: Peptide Deformylase
/ FILE REFERENCE: BB-1503 US CIP
/ CURRENT APPLICATION NUMBER: US/11/056,408
/ CURRENT FILING DATE: 2005-02-11
/ PRIOR APPLICATION NUMBER: 10/359,513
```

```
; PRIOR FILING DATE: 2003-02-06
; PRIOR APPLICATION NUMBER: 60/355007
; PRIOR FILING DATE: 2002-02-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 14
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (165)..(165)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-056-408-14
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 268;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1130 IGLSAP 1135
Db 116 IGLSAP 121
```

```
RESULT 159
US-10-821-234-1308
; Sequence 1308, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Scache-Craih, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
; PRIOR FILING DATE: 2003-04-07
; SOFTWARE: pc SEQ_genes Version 1.0
; SEQ ID NO 1308
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1308
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 269;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1211 ILTCS 1216
Db 37 ILTCS 42
```

```
RESULT 160
US-10-467-657-5806
; Sequence 5806, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
```

```
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 5806
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5806
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 270;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 309 VSEEQI 314
Db 180 VSEEQI 185
```

```
RESULT 161
US-11-152-366-50
; Sequence 50, Application US/11152366
; Publication No. US20060014184A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tonne, Peter H. M.
; TITLE OF INVENTION: Treatment for Identification, And Compounds Useful For The
; FILE REFERENCE: P27, 880-A USA
; CURRENT APPLICATION NUMBER: US/11/152,366
; PRIOR FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/579,307
; PRIOR FILING DATE: 2004-06-14
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-152-366-50
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 273;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1273 LTCLTD 1278
Db 167 LTCLTD 172
```

```
RESULT 162
US-10-467-657-1454
; Sequence 1454, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; PRIOR FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1454
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1454
```

```
Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 274;
```

Best Local Similarity 100.0%; Pred. No. 3.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 857 QVLAEA 862  
Db 39 QVLAEA 44

RESULT 163

US-10-667-295-85  
; Sequence 85, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 85  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(277)  
; OTHER INFORMATION: Ceres Seq. ID no. 12738855  
US-10-667-295-85

Query Match 0.4%; Score 6; DB 6; Length 277;  
Best Local Similarity 100.0%; Pred. No. 3.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELEK 440  
Db 167 SVKELEK 172

RESULT 164

US-10-793-626-1746  
; Sequence 1746, Application US/10793626  
; Publication No. US20050255478A1  
; GENERAL INFORMATION:  
; APPLICANT: KIMMERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: PU3480US  
; CURRENT APPLICATION NUMBER: US/10/793,626  
; CURRENT FILING DATE: 2004-03-04  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1746  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-10-793-626-1746

Query Match 0.4%; Score 6; DB 6; Length 278;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 755 LENKES 760  
Db 83 LENKES 88

RESULT 165

US-11-082-389-264  
; Sequence 264, Application US/11082389  
; Publication No. US20050244935A1  
; GENERAL INFORMATION:  
; APPLICANT: Pompejus, Markus  
; APPLICANT: Krogger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zelder, Oskar  
; APPLICANT: Haberhauer, Gregor  
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS  
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE  
; TITLE OF INVENTION: TRANSPORT  
; FILE REFERENCE: BGI-131CPCN  
; CURRENT APPLICATION NUMBER: US/11/082,389  
; CURRENT FILING DATE: 2005-03-16  
; PRIOR APPLICATION NUMBER: US 09/603024  
; PRIOR FILING DATE: 2000-06-23  
; PRIOR APPLICATION NUMBER: US 60/141031  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: US 60/143262  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: US 60/151281  
; PRIOR FILING DATE: 1999-08-27  
; PRIOR APPLICATION NUMBER: DE 19930487.4  
; PRIOR FILING DATE: 1999-07-01  
; PRIOR APPLICATION NUMBER: DE 19930489.0  
; PRIOR FILING DATE: 1999-07-01  
; PRIOR APPLICATION NUMBER: DE 19931549.3  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: DE 19931550.7  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: DE 19932134.5  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: DE 19941379.7  
; PRIOR FILING DATE: 1999-08-31  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 446  
; SEQ ID NO 264  
; LENGTH: 279  
; TYPE: PRT  
; ORGANISM: Corynebacterium glutamicum  
US-11-082-389-264

Query Match 0.4%; Score 6; DB 7; Length 279;  
Best Local Similarity 100.0%; Pred. No. 4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 QVGLPI 29  
Db 135 QVGLPI 140

RESULT 166

US-11-056-408-13  
; Sequence 13, Application US/11056408  
; Publication No. US20060005267A1  
; GENERAL INFORMATION:  
; APPLICANT: Gutierrez, Steven  
; APPLICANT: Tao, Yong  
; TITLE OF INVENTION: Peptide Deformylase  
; FILE REFERENCE: BB-1503 US CIP  
; CURRENT APPLICATION NUMBER: US/11/056,408  
; CURRENT FILING DATE: 2005-02-11  
; PRIOR APPLICATION NUMBER: 10/359,513  
; PRIOR FILING DATE: 2003-02-06  
; PRIOR APPLICATION NUMBER: 60/355007  
; PRIOR FILING DATE: 2002-02-08  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 13  
; LENGTH: 279  
; TYPE: PRT

ORGANISM: Lycopersicon esculentum  
US-11-056-408-13

Query Match  
Best Local Similarity 100.0%; Score 6; DB 7; Length 279;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 IGLSAP 1135  
DB 128 IGLSAP 133

RESULT 167  
US-11-071-062-3  
Sequence 3, Application US/11071062  
Publication No. US2005026021A1  
GENERAL INFORMATION:  
APPLICANT: Johnson, Mark E.  
APPLICANT: Mozaffarian, Afaneh  
APPLICANT: Mossman, Sally P.  
APPLICANT: Meert, Charlie D.  
TITLE OF INVENTION: CO-ENCAPSULATED WT1 POLYPEPTIDE AND IMMUNOSTIMULANT  
FILE REFERENCE: 210121.612  
CURRENT APPLICATION NUMBER: US/11/071.062  
CURRENT FILING DATE: 2005-03-03  
PRIOR APPLICATION NUMBER: US 60/550,362  
PRIOR FILING DATE: 2004-03-04  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: Cortixa Invention Disclosure Database  
SEQ ID NO 3  
LENGTH: 280  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-071-062-3

Query Match  
Best Local Similarity 100.0%; Score 6; DB 7; Length 280;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1197 QASSEQ 1202  
DB 118 QASSEQ 123

RESULT 168  
US-10-967-648A-12  
Sequence 12, Application US/10967648A  
Publication No. US20050245473A1  
GENERAL INFORMATION:  
APPLICANT: Saunders, Nicholas A  
TITLE OF INVENTION: Differentiation- and/or proliferation-modulating agents and uses  
FILE REFERENCE: 12493972  
CURRENT APPLICATION NUMBER: US/10/967.648A  
CURRENT FILING DATE: 2004-10-15  
PRIOR APPLICATION NUMBER: USSN 60/512010  
PRIOR FILING DATE: 2003-10-16  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 12  
LENGTH: 281  
TYPE: PRT  
ORGANISM: Human  
US-10-967-648A-12

Query Match  
Best Local Similarity 100.0%; Score 6; DB 6; Length 281;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1164 PSLLD 1169  
DB 11 PSLLD 16

RESULT 169  
US-10-883-512-90  
Sequence 90, Application US/10883512  
Publication No. US20060005265A1  
GENERAL INFORMATION:  
APPLICANT: Bughtrara, Suleiman  
APPLICANT: Han, Zhoe  
APPLICANT: Wang, Yuxia  
TITLE OF INVENTION: Ryegrass CBP3 Gene: Identification and Isolation  
FILE REFERENCE: MSU-08807  
CURRENT APPLICATION NUMBER: US/10/883.512  
CURRENT FILING DATE: 2004-07-01  
NUMBER OF SEQ ID NOS: 199  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 90  
LENGTH: 281  
TYPE: PRT  
ORGANISM: Zea mays  
US-10-883-512-90

Query Match  
Best Local Similarity 100.0%; Score 6; DB 6; Length 281;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 860 AERAGE 865  
DB 59 AERAGE 64

RESULT 170  
US-11-056-408-10  
Sequence 10, Application US/11056408  
Publication No. US20060005267A1  
GENERAL INFORMATION:  
APPLICANT: Guttridge, Steven  
TITLE OF INVENTION: Peptide Deformylase  
FILE REFERENCE: BB-1503 US CIP  
CURRENT APPLICATION NUMBER: US/11/056.408  
CURRENT FILING DATE: 2005-02-11  
PRIOR APPLICATION NUMBER: 10/359,513  
PRIOR FILING DATE: 2003-02-06  
PRIOR APPLICATION NUMBER: 60/355007  
PRIOR FILING DATE: 2002-02-08  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 10  
LENGTH: 284  
TYPE: PRT  
ORGANISM: Oryza sativa  
US-11-056-408-10

Query Match  
Best Local Similarity 100.0%; Score 6; DB 7; Length 284;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 IGLSAP 1135  
DB 119 IGLSAP 124

RESULT 171  
US-11-082-389-324  
Sequence 324, Application US/11082389  
Publication No. US20050244935A1  
GENERAL INFORMATION:  
APPLICANT: Pompejus, Markus  
APPLICANT: Krogger, Burkhard  
APPLICANT: Schröder, Hartwig  
APPLICANT: Zelder, Oskar  
APPLICANT: Habenhauer, Gregor

```
/ TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
/ TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
/ FILE REFERENCE: BGI-131CPCN
/ CURRENT APPLICATION NUMBER: US/11/082,389
/ CURRENT FILING DATE: 2005-03-16
/ PRIOR APPLICATION NUMBER: US 09/603024
/ PRIOR FILING DATE: 2000-06-23
/ PRIOR APPLICATION NUMBER: US 60/141031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: US 60/143262
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: US 60/151281
/ PRIOR FILING DATE: 1999-08-27
/ PRIOR APPLICATION NUMBER: DE 19930487.4
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19930489.0
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19931549.3
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931550.7
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19932134.5
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19941379.7
/ PRIOR FILING DATE: 1999-08-31
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 446
/ SEQ ID NO 324
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-082-389-324

Query Match          0.4%; Score 6; DB 7; Length 285;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      455 FASSVR 460
        |||||
DB      214 FASSVR 219
```

```
RESULT 172
US-11-055-822-1118
/ Sequence 1118, Application US/11055822
/ Publication No. US20050260707A1
/ GENERAL INFORMATION:
/ APPLICANT: Pompejus, Markus
/ APPLICANT: Kroger, Burkhard
/ APPLICANT: Schroder, Hartwig
/ APPLICANT: Zelder, Oskar
/ APPLICANT: Haberhauser, Gregor
/ TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
/ TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
/ FILE REFERENCE: BGI-121CPCN
/ CURRENT APPLICATION NUMBER: US/11/055,822
/ CURRENT FILING DATE: 2005-02-11
/ PRIOR APPLICATION NUMBER: 09/606,740
/ PRIOR FILING DATE: 2000-06-23
/ PRIOR APPLICATION NUMBER: 60/141,031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: 60/142,101
/ PRIOR FILING DATE: 1999-07-02
/ PRIOR APPLICATION NUMBER: 60/148,613
/ PRIOR FILING DATE: 1999-08-12
/ PRIOR APPLICATION NUMBER: 60/187,970
/ PRIOR FILING DATE: 2000-03-09
/ PRIOR APPLICATION NUMBER: DE 19930476.9
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19931415.2
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931418.7
```

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/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931419.5
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931420.9
/ PRIOR FILING DATE: 1999-07-08
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1158
/ SEQ ID NO 1118
/ LENGTH: 285
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-11-055-822-1118
```

```
Query Match          0.4%; Score 6; DB 7; Length 285;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      481 GIVLSP 486
        |||||
DB      29 GIVLSP 34
```

```
RESULT 173
US-11-063-343-22
/ Sequence 22, Application US/11063343
/ Publication No. US20050272061A1
/ GENERAL INFORMATION:
/ APPLICANT: Petroziello, Joseph M.
/ APPLICANT: Carter, Paul
/ TITLE OF INVENTION: Expression Profiling in Non-Small Cell
/ TITLE OF INVENTION: Lung Cancer
/ FILE REFERENCE: 2681-1-003N
/ CURRENT APPLICATION NUMBER: US/11/063,343
/ CURRENT FILING DATE: 2005-02-22
/ PRIOR APPLICATION NUMBER: 60/546,019
/ PRIOR FILING DATE: 2004-02-19
/ NUMBER OF SEQ ID NOS: 50
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 22
/ LENGTH: 286
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-063-343-22
```

```
Query Match          0.4%; Score 6; DB 7; Length 286;
Best Local Similarity 100.0%; Pred.No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      461 EDLAGA 466
        |||||
DB      56 EDLAGA 61
```

```
RESULT 174
US-11-135-855-30
/ Sequence 30, Application US/11135855
/ Publication No. US20050255557A1
/ GENERAL INFORMATION:
/ APPLICANT: SMITHKLINE BEECHAM CORPORATION
/ APPLICANT: SMITHKLINE BEECHAM P.L.C.
/ TITLE OF INVENTION: NOVEL COMPOUNDS
/ FILE REFERENCE: GPe50013
/ CURRENT APPLICATION NUMBER: US/11/135,855
/ CURRENT FILING DATE: 2005-05-24
/ PRIOR APPLICATION NUMBER: US/10/203,708
/ PRIOR FILING DATE: 2002-08-13
/ PRIOR APPLICATION NUMBER: PCT/US01/04703
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: 60/182,172
/ PRIOR FILING DATE: 2000-02-14
/ PRIOR APPLICATION NUMBER: 60/186,084
/ PRIOR FILING DATE: 2000-02-29
/ NUMBER OF SEQ ID NOS: 46
```



```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-135-855-30

Query Match      0.4%; Score 6; DB 7; Length 288;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1027 EDEVWL 1032
DB      241 EDEVWL 246

RESULT 175
US-11-082-389-416
; Sequence 416, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Krieger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 416
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-416

Query Match      0.4%; Score 6; DB 7; Length 290;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      154 SSUDOS 159
DB      106 SSUDOS 111

RESULT 176
US-10-467-657-2590
; Sequence 2590, Application US/10467657
; Publication No. US20050260581A1

; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2590
; LENGTH: 292
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2590

Query Match      0.4%; Score 6; DB 6; Length 292;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      831 GLPVVY 836
DB      123 GLPVVY 128

RESULT 177
US-11-071-062-5
; Sequence 5, Application US/11071062
; Publication No. US20050260217A1
; GENERAL INFORMATION:
; APPLICANT: Johnson, Mark E.
; APPLICANT: Mozaffarian, Afshaneh
; APPLICANT: Moseman, Sally P.
; APPLICANT: Meert, Charlie D.
; TITLE OF INVENTION: CO-ENCAPSULATED WTI POLYPEPTIDE AND IMMUNOSTIMULANT
; TITLE OF INVENTION: MICROSPHERE FORMULATIONS AND METHODS THEREOF
; FILE REFERENCE: 210121.612
; CURRENT APPLICATION NUMBER: US/11/071,062
; CURRENT FILING DATE: 2005-03-03
; PRIOR APPLICATION NUMBER: US 60/550,362
; PRIOR FILING DATE: 2004-03-04
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 5
; LENGTH: 292
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-071-062-5

Query Match      0.4%; Score 6; DB 7; Length 292;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1197 QASSGQ 1202
DB      130 QASSGQ 135

RESULT 178
US-11-074-176-34
; Sequence 34, Application US/11074176
; Publication No. US20050250135A1
; GENERAL INFORMATION:
; APPLICANT: Kjaerhamner, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
```

```
/ TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
/ FILE REFERENCE: 5051-694
/ CURRENT APPLICATION NUMBER: US/11/074,176
/ CURRENT FILING DATE: 2005-03-07
/ PRIOR APPLICATION NUMBER: 60/551,161
/ PRIOR FILING DATE: 2004-03-08
/ NUMBER OF SEQ ID NOS: 381
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 34
/ LENGTH: 294
/ TYPE: PRT
/ ORGANISM: Lactobacillus acidophilus
US-11-074-176-34

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 294;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 625 KSLTTH 630
Db 285 KSLTTH 290

RESULT 179
US-10-793-626-2998
/ Sequence 2998, Application US/10793626
/ Publication No. US20050255478A1
/ GENERAL INFORMATION:
/ APPLICANT: KITMERLY, WILLIAM JOHN
/ TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
/ FILE REFERENCE: PU3480US
/ CURRENT APPLICATION NUMBER: US/10/793,626
/ CURRENT FILING DATE: 2004-03-04
/ PRIOR APPLICATION NUMBER: 60/164,258
/ PRIOR FILING DATE: 1999-11-09
/ NUMBER OF SEQ ID NOS: 4472
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 2998
/ LENGTH: 295
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2998

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 295;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1045 IFIFLT 1050
Db 169 IFIFLT 174

RESULT 180
US-10-131-826A-366
/ Sequence 366, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austen L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
```

```
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See file wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 366
/ LENGTH: 299
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-366

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 299;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117
Db 55 FSSPRV 60

RESULT 181
US-11-000-463-275
/ Sequence 275, Application US/11000463
/ Publication No. US2005026423A1
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Chen, Rui-hong
/ APPLICANT: Qian, Xiaohong B.
/ APPLICANT: Wang, Zhiwei
/ APPLICANT: Wehrman, Tom
/ APPLICANT: Zhang, Jie
/ APPLICANT: Zhou, Ping
/ APPLICANT: Cao, Yi-Cheng
/ APPLICANT: Drmanac, Radoje T.
/ TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
/ FILE REFERENCE: 785CIP4CN
/ CURRENT APPLICATION NUMBER: US/11/000,463
/ CURRENT FILING DATE: 2004-11-29
/ PRIOR APPLICATION NUMBER: 10/291,265
/ PRIOR FILING DATE: 2002-11-08
/ PRIOR APPLICATION NUMBER: PCT/US01/02623
/ PRIOR FILING DATE: 2001-01-25
/ PRIOR APPLICATION NUMBER: 09/922,279
/ PRIOR FILING DATE: 2001-08-03
/ PRIOR APPLICATION NUMBER: 09/491,404
```

```

; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 275
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-275
```

```

Query Match          0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1112 FSSPRV 1117
        |||||
Db       55 FSSPRV 60
```

```

RESULT 182
US-11-000-463-747
; Sequence 747, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Abundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 747
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-747
```

```

Query Match          0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1112 FSSPRV 1117
        |||||
Db       55 FSSPRV 60
```

```

RESULT 183
US-11-000-463-748
; Sequence 748, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Abundi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 748
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-748
```

```

Query Match          0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1112 FSSPRV 1117
        |||||
Db       55 FSSPRV 60
```

```

RESULT 184
US-11-173-037-7
; Sequence 7, Application US/11173037
; Publication No. US20050265992A1
; GENERAL INFORMATION:
; APPLICANT: Kornecki, Dr. Elizabeth
; APPLICANT: Babinska, Dr. Anna
; APPLICANT: Bhlich, Dr. Yigal H.
; TITLE OF INVENTION: F11 RECEPTOR (F11R) ANTAGONISTS AS THERAPEUTIC AGENTS
; FILE REFERENCE: 15884
; CURRENT APPLICATION NUMBER: US/11/173,037
; CURRENT FILING DATE: 2005-07-01
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-173-037-7
```

```

Query Match          0.4%; Score 6; DB 7; Length 299;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1112 FSSPRV 1117
        |||||
Db       55 FSSPRV 60
```

Query Match 0.4%; Score 6; DB 7; Length 299;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117  
|||||  
Db 55 FSSPRV 60

RESULT 185  
US-10-667-295-117  
; Sequence 117, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 117  
; LENGTH: 300  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(300)  
; OTHER INFORMATION: Ceres Seq. ID no. 12430833  
US-10-667-295-117

Query Match 0.4%; Score 6; DB 6; Length 300;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1022 GSLKKE 1027  
|||||  
Db 198 GSLKKE 203

RESULT 186  
US-11-025-834A-21  
; Sequence 21, Application US/11025834A  
; Publication No. US20050266426A1  
; GENERAL INFORMATION:  
; APPLICANT: IMHO, BEAT ALBERT  
; APPLICANT: AURAND-LIONS, MICHEL  
; TITLE OF INVENTION: CONFLUENCE REGULATED ADHESION MOLECULES USEFUL IN MODULATING VASO  
; TITLE OF INVENTION: PERMEABILITY  
; FILE REFERENCE: 011422-0314432  
; CURRENT APPLICATION NUMBER: US/11/025,834A  
; CURRENT FILING DATE: 2004-12-30  
; PRIOR APPLICATION NUMBER: 09/524,531  
; PRIOR FILING DATE: 2000-03-13  
; PRIOR APPLICATION NUMBER: EP 99.200746.8  
; PRIOR FILING DATE: 1999-03-11  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 21  
; LENGTH: 300  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-11-025-834A-21

Query Match 0.4%; Score 6; DB 7; Length 300;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1112 FSSPRV 1117  
|||||  
Db 54 FSSPRV 59

RESULT 187  
US-10-667-295-116  
; Sequence 116, Application US/10667295  
; Publication No. US20050257293A1  
; GENERAL INFORMATION:  
; APPLICANT: Mascia, Peter  
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM  
; FILE REFERENCE: 11696-047001  
; CURRENT APPLICATION NUMBER: US/10/667,295  
; CURRENT FILING DATE: 2003-09-17  
; PRIOR APPLICATION NUMBER: US 60/411,823  
; PRIOR FILING DATE: 2002-09-17  
; NUMBER OF SEQ ID NOS: 263  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 116  
; LENGTH: 302  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(302)  
; OTHER INFORMATION: Ceres Seq. ID no. 12430832  
US-10-667-295-116

Query Match 0.4%; Score 6; DB 6; Length 302;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1022 GSLKKE 1027  
|||||  
Db 200 GSLKKE 205

RESULT 188  
US-10-467-657-4028  
; Sequence 4028, Application US/10467657  
; Publication No. US20050260581A1  
; GENERAL INFORMATION:  
; APPLICANT: CHIRON SPA  
; APPLICANT: FONTANA Maria Rita  
; APPLICANT: PIZZA Mariagrazia  
; APPLICANT: MASIANT Vega  
; APPLICANT: MONACI Elisabetta  
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/467,657  
; CURRENT FILING DATE: 2003-08-11  
; PRIOR APPLICATION NUMBER: GB-0103424.8  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 9218  
; SOFTWARE: SeqWIn99, version 1.04  
; SEQ ID NO 4028  
; LENGTH: 302  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-4028

Query Match 0.4%; Score 6; DB 6; Length 302;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 82 TVSDKG 87  
|||||  
Db 194 TVSDKG 199

RESULT 189  
US-11-156-084-345  
; Sequence 345, Application US/11156084  
; Publication No. US20060010515A1  
; GENERAL INFORMATION:

```
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 345
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Porphyromonas gingivalis w83
US-11-156-084-345
```

```
Query Match          0.4%; Score 6; DB 7; Length 302;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1064 VTLVLT 1069
Db      236 VTLVLT 241
```

```
RESULT 190
US-11-135-855-31.
; Sequence 31, Application US/11135855
; Publication No. US20050255557A1
; GENERAL INFORMATION:
; APPLICANT: SMITHKLINE BEECHAM CORPORATION
; FILE REFERENCE: GP50013
; CURRENT APPLICATION NUMBER: US/11/135,855
; PRIOR FILING DATE: 2005-05-24
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/US01/04703
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: 60/182,172
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: 60/186,084
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-135-855-31
```

```
Query Match          0.4%; Score 6; DB 7; Length 303;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1027 EDEVWL 1032
Db      256 EDEVWL 261
```

```
RESULT 191
US-10-467-657-506
; Sequence 506, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: MASTIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
```

```
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 506
; LENGTH: 304
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-506
```

```
Query Match          0.4%; Score 6; DB 6; Length 304;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1121 AVALRT 1126
Db      133 AVALRT 138
```

```
RESULT 192
US-11-166-412-228
; Sequence 228, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 228
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-228
```

```
Query Match          0.4%; Score 6; DB 7; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      310 SEQIR 315
Db      13 SEQIR 18
```

```
RESULT 193
US-11-129-143-98
; Sequence 98, Application US/11129143
; Publication No. US20050266518A1
; GENERAL INFORMATION:
; APPLICANT: BERRY, Alan
; APPLICANT: BRETZEL, Werner
; APPLICANT: HUMBLIN, Markus
; APPLICANT: LOPEZ-ULIBARRI, Rual
; APPLICANT: MAYER, Anne F.
; APPLICANT: VELISEV, Alexei A.
; TITLE OF INVENTION: IMPROVED ISOPRENOID PRODUCTION
; FILE REFERENCE: C38435/121966
; CURRENT APPLICATION NUMBER: US/11/129,143
; CURRENT FILING DATE: 2005-05-13
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
```

```
/ LENGTH: 314
/ TYPE: PRT
/ ORGANISM: Enterococcus faecium
US-11-129-143-98

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 314;
Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 EILLEN 757
Db 126 EILLEN 131

RESULT 194
US-11-156-084-296
/ Sequence 296, Application US/11156084
/ Publication No. US20060010515A1
/ GENERAL INFORMATION:
/ APPLICANT: Monsanto Technology LLC
/ TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
/ FILE REFERENCE: (38-21)
/ CURRENT FILING DATE: 2005-06-17
/ NUMBER OF SEQ ID NOS: 364
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 296
/ LENGTH: 314
/ TYPE: PRT
/ ORGANISM: Clostridium tetani
US-11-156-084-296

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 314;
Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKE 441
Db 225 VKELKE 230

RESULT 195
US-10-453-372-212
/ Sequence 212, Application US/10453372
/ Publication No. US20060003323A1
/ GENERAL INFORMATION:
/ APPLICANT: Alsobrook, et al.
/ TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
/ FILE REFERENCE: 21402-589 A
/ CURRENT APPLICATION NUMBER: US/10/453,372
/ CURRENT FILING DATE: 2003-06-03
/ PRIOR APPLICATION NUMBER: 09/789390
/ PRIOR FILING DATE: 2001-02-23
/ PRIOR APPLICATION NUMBER: 60/185967
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/823187
/ PRIOR FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195792
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 09/839446
/ PRIOR FILING DATE: 2001-03-19
/ PRIOR APPLICATION NUMBER: 60/199476
/ PRIOR FILING DATE: 2000-03-25
/ PRIOR APPLICATION NUMBER: 09/863776
/ PRIOR FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: 60/208263
/ PRIOR FILING DATE: 2000-05-31
/ PRIOR APPLICATION NUMBER: 09/939398
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/227800
/ PRIOR FILING DATE: 2000-08-25
/ Remaining Prior Application data removed - See file Wrapper or PALM.
```

```
/ NUMBER OF SEQ ID NOS: 1609
/ SOFTWARE: CuroSeqList version 0.1
/ SEQ ID NO 212
/ LENGTH: 315
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-453-372-212

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 315;
Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 YEGDGI 933
Db 75 YEGDGI 80

RESULT 196
US-10-667-295-115
/ Sequence 115, Application US/10667295
/ Publication No. US20050257293A1
/ GENERAL INFORMATION:
/ APPLICANT: Masclia, Peter
/ TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
/ FILE REFERENCE: 11696-047001
/ CURRENT APPLICATION NUMBER: US/10/667,295
/ CURRENT FILING DATE: 2003-09-17
/ PRIOR APPLICATION NUMBER: US 60/411,823
/ PRIOR FILING DATE: 2002-09-17
/ NUMBER OF SEQ ID NOS: 263
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 115
/ LENGTH: 316
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: VARIANT
/ LOCATION: (1)...(316)
/ OTHER INFORMATION: Ceres Seq. ID no. 12430831
US-10-667-295-115

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 316;
Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1022 GSKKE 1027
Db 214 GSKKE 219

RESULT 197
US-10-131-826A-374
/ Sequence 374, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P333ORIC128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 374
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-374
```

```
Query Match      0.4%; Score 6; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      480 GGIVLS 485
        |||||
Db       185 GGIVLS 190
```

```
RESULT 198
US-11-021-305-168
; Sequence 168, Application US/11021305
; Publication No. US2005028273A1
; GENERAL INFORMATION:
; APPLICANT: Prins, Johannes B
; APPLICANT: Hutley, Louise J
; TITLE OF INVENTION: Differentiation-modulating agents and uses therefor
; FILE REFERENCE: DAVI169,001CPI
; CURRENT APPLICATION NUMBER: US/11/021,305
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: USSN 60/392,130
; PRIOR FILING DATE: 2002-06-27
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 168
; LENGTH: 318
; TYPE: PRT
; ORGANISM: mammalian
US-11-021-305-168
```

```
Query Match      0.4%; Score 6; DB 7; Length 318;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1286 VYCKLE 1291
        |||||
Db       302 VYCKLE 307
```

```
RESULT 199
US-10-793-626-2368
```

```
; Sequence 2368, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2368
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2368
```

```
Query Match      0.4%; Score 6; DB 6; Length 319;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      975 SLVTGE 980
        |||||
Db       210 SLVTGE 215
```

```
RESULT 200
US-10-821-234-981
; Sequence 981, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 981
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-981
```

```
Query Match      0.4%; Score 6; DB 6; Length 323;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      8 QNGGEG 13
        |||||
Db       181 QNGGEG 186
```

```
RESULT 201
US-10-485-517-306
; Sequence 306, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: PI00629WO
```

```
/ CURRENT APPLICATION NUMBER: US/10/485,517
/ CURRENT FILING DATE: 2004-02-02
/ PRIOR APPLICATION NUMBER: GB 0118825.9
/ PRIOR FILING DATE: 2001-08-02
/ PRIOR APPLICATION NUMBER: GB 0200349.9
/ PRIOR FILING DATE: 2002-01-09
/ NUMBER OF SEQ ID NOS: 424
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO 306
/ LENGTH: 326
/ TYPE: PRT
/ ORGANISM: Staphylococcus aureus
US-10-485-517-306

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 326;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 596 YLDLVY 601
DB 304 YLDLVY 309

RESULT 202
US-10-131-826A-326
/ Sequence 326, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: DeForge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerltsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Collin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 326
```

```
/ LENGTH: 328
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-326

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 328;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 719 SLELIF 724
DB 223 SLELIF 228

RESULT 203
US-11-149-403-9
/ Sequence 9, Application US/11149403
/ Publication No. US20060005280A1
/ GENERAL INFORMATION:
/ APPLICANT: Scoop, Johan m.
/ APPLICANT: Calmet, Perry G.
/ TITLE OF INVENTION: Plant Galactinol Synthases Homologs
/ FILE REFERENCE: BB1539
/ CURRENT APPLICATION NUMBER: US/11/149,403
/ CURRENT FILING DATE: 2005-06-08
/ NUMBER OF SEQ ID NOS: 37
/ SOFTWARE: Patentin version 3.3
/ SEQ ID NO 9
/ LENGTH: 328
/ TYPE: PRT
/ ORGANISM: Glycine max
US-11-149-403-9

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 328;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 450 FLNIYF 455
DB 220 FLNIYF 225

RESULT 204
US-11-152-697-4
/ Sequence 4, Application US/11152697
/ Publication No. US2006000367A1
/ GENERAL INFORMATION:
/ APPLICANT: Bristol-Myers Squibb Company
/ TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING A NOVEL HUMAN KUPFFER CELL RECEPTOR
/ FILE REFERENCE: D0242 NP
/ CURRENT APPLICATION NUMBER: US/11/152,697
/ CURRENT FILING DATE: 2005-06-14
/ PRIOR APPLICATION NUMBER: 60/580,006
/ PRIOR FILING DATE: 2004-06-15
/ NUMBER OF SEQ ID NOS: 63
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO 4
/ LENGTH: 328
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-152-697-4

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 328;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 693 PSLQAW 698
DB 301 PSLQAW 306
```



```
RESULT 205
US-10-995-561-694
; Sequence 694, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: C1001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 694
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-694

Query Match
0.4%; Score 6; DB 6; Length 329;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1046 FIFLTT 1051
DB 13 FIFLTT 18

RESULT 206
US-10-467-962B-61
; Sequence 61, Application US/10467962B
; Publication No. US20050246784A1
; GENERAL INFORMATION:
; APPLICANT: Plesch, Gunnar
; APPLICANT: Blau, Astrid
; APPLICANT: Deschner, Klaus
; APPLICANT: Klein, Mathieu
; TITLE OF INVENTION: Identification of Herbicidally Active Substances
; FILE REFERENCE: 2000.857
; CURRENT APPLICATION NUMBER: US/10/467,962B
; CURRENT FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: PCT/EP02/01466
; PRIOR FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 61
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-467-962B-61

Query Match
0.4%; Score 6; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 510 HVEKGV 515
DB 250 HVEKGV 255

RESULT 207
US-10-467-657-2442
; Sequence 2442, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
```

```
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWIn99, version 1.04
; SEQ ID NO 2442
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2442

Query Match
0.4%; Score 6; DB 6; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 797 EIDAAI 802
DB 208 EIDAAI 213

RESULT 208
US-11-143-980-57
; Sequence 57, Application US/11143980
; Publication No. US20050272133A1
; GENERAL INFORMATION:
; APPLICANT: He, Min
; APPLICANT: Hucul, John
; APPLICANT: Haltli, Bradley A.
; APPLICANT: Wagenaar, Melissa M.
; APPLICANT: Graziani, Edmund
; APPLICANT: Summers, Mia
; APPLICANT: Kulowski, Kerry
; APPLICANT: Peng, Kevin
; TITLE OF INVENTION: Biosynthetic Gene Cluster for the Production of a Complex
; FILE REFERENCE: AM-101426US
; CURRENT APPLICATION NUMBER: US/11/143,980
; CURRENT FILING DATE: 2005-06-03
; PRIOR APPLICATION NUMBER: US 60/664,483
; PRIOR FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: US 60/576,895
; PRIOR FILING DATE: 2004-06-03
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 57
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Streptomyces sp.
US-11-143-980-57

Query Match
0.4%; Score 6; DB 7; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 AIIAGV 75
DB 257 AIIAGV 262

RESULT 209
US-11-099-691-8
; Sequence 8, Application US/11099691
; Publication No. US20050260644A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: BANDMAN, Olga
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: BAUGHN, Mariah R.
```

```

; APPLICANT: YANG, Junming
; TITLE OF INVENTION: CELL SIGNALING PROTEINS
; FILE REFERENCE: PF-0521 PCT
; CURRENT APPLICATION NUMBER: US/11/099,691
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: US/09/700,444
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 60/085,343
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/098,010
; PRIOR FILING DATE: 1998-08-26
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Incyte Clone 054191
US-11-099-691-8
```

```

Query Match          0.4%; Score 6; DB 7; Length 336;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      142 HMALV 147
      |||||
DB      262 HMALV 267
```

```

RESULT 210
US-10-914-165-37
; Sequence 37, Application US/10914165
; Publication No. US20050244840A9
; GENERAL INFORMATION:
; APPLICANT: JACKSON, MARY
; APPLICANT: GICOUEL, BRIGITTE
; TITLE OF INVENTION: METHOD OF SCREENING ANTI-MYCObACTERIAL MOLECULES
; FILE REFERENCE: 03495.0182-01
; CURRENT APPLICATION NUMBER: US/10/914,165
; CURRENT FILING DATE: 2004-08-10
; PRIOR APPLICATION NUMBER: US/10/383,675
; PRIOR FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: 09/429,370
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/113,375
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/111,813
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: 09/181,934
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 37
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-914-165-37
```

```

Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1144 GONHO 1149
      |||||
DB      144 GONHO 149
```

```

RESULT 211
US-10-793-626-2868
; Sequence 2868, Application US/10793626
; Publication No. US20050255478A1
```

```

; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2868
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2868
```

```

Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      321 LINEAFS 326
      |||||
DB      261 LINEAFS 266
```

```

RESULT 212
US-10-467-657-8208
; Sequence 8208, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO 8208
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8208
```

```

Query Match          0.4%; Score 6; DB 6; Length 338;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      253 PEPEIL 258
      |||||
DB      233 PEPEIL 238
```

```

RESULT 213
US-10-467-657-2616
; Sequence 2616, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
```

```
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 2616
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2616
```

```
Query Match          0.4%; Score 6; DB 6; Length 344;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1065 TLYLTD 1070
Db      74 TLYLTD 79
```

```
RESULT 214
US-10-793-626-2034
; Sequence 2034, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2034
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-10-793-626-2034
```

```
Query Match          0.4%; Score 6; DB 6; Length 346;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      136 ATYDGR 141
Db      117 ATYDGR 122
```

```
RESULT 215
US-10-873-528-20.
; Sequence 20, Application US/10873528
; Publication No. US20050276814A1
; GENERAL INFORMATION:
; APPLICANT: Microbial Technics Limited
; APPLICANT: Gilbert, Christophe FG
; APPLICANT: Hanbro, Philip M
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: PWC/P21129MO
; CURRENT APPLICATION NUMBER: US/10/873,528
; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/09/769,787
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: GB 9816337.1
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: US 60/125164
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1
```

```
; SEQ ID NO 20
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-10-873-528-20
```

```
Query Match          0.4%; Score 6; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      69 PATING 74
Db      163 PATING 168
```

```
RESULT 216
US-10-454-437-290
; Sequence 290, Application US/10454437
; Publication No. US20050277115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CPCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 290
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-290
```

```
Query Match          0.4%; Score 6; DB 6; Length 350;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      242 YPRLEV 247
Db      67 YPRLEV 72
```

```
RESULT 217
US-11-214-199-25
; Sequence 25, Application US/11214199
; Publication No. US20060003377A1
; GENERAL INFORMATION:
; APPLICANT: HILTON, Douglas J
```

```
/ APPLICANT: ALEXANDER, Warren S
/ APPLICANT: VINEY, Elizabeth M
/ APPLICANT: WILSON, Tracey A
/ APPLICANT: RICHARDSON, Rachael T
/ APPLICANT: STARR, Robyn
/ APPLICANT: NICHOLSON, Sandra E
/ APPLICANT: METCALF, Donald
/ APPLICANT: NICOLA, Nicos A
/ TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC PROTEINS COMPRISING A SOCS
/ TITLE OF INVENTION: BOX
/ FILE REFERENCE: 109/62A
/ CURRENT APPLICATION NUMBER: US/11/214,199
/ CURRENT FILING DATE: 2005-08-29
/ PRIOR APPLICATION NUMBER: US/09/908,805
/ PRIOR FILING DATE: 2001-07-19
/ PRIOR APPLICATION NUMBER: 09/302,769
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 81
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 25
/ LENGTH: 350
/ TYPE: PRT
/ ORGANISM: Mouse
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: (167)
/ OTHER INFORMATION: Xaa is unsure
US-11-214-199-25
```

```
Query Match          0.4%; Score 6; DB 7; Length 350;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      751 TEILLE 756
      |||||
DB      142 TEILLE 147
```

```
RESULT 218
US-10-467-657-7996
/ Sequence 7996, Application US/10467657
/ Publication No. US20050260581A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: PONTANA Maria Rita
/ APPLICANT: PIZZA Mariagrazia
/ APPLICANT: MASIGNANI Vega
/ APPLICANT: MONACI Elisabetta
/ TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/467,657
/ CURRENT FILING DATE: 2003-08-11
/ PRIOR APPLICATION NUMBER: GB-0103424.8
/ PRIOR FILING DATE: 2001-02-12
/ NUMBER OF SEQ ID NOS: 9218
/ SOFTWARE: SeqMin99, version 1.04
/ SEQ ID NO 7996
/ LENGTH: 355
/ TYPE: PRT
/ ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7996
```

```
Query Match          0.4%; Score 6; DB 6; Length 355;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      831 GLPVVV 836
      |||||
DB      234 GLPVVV 239
```

```
RESULT 219
US-11-123-013-6
```

```
/ Sequence 6, Application US/1123013
/ Publication No. US20050287637A1
/ GENERAL INFORMATION:
/ APPLICANT: Betendaghn, Michael J.
/ APPLICANT: Lawrence, Shawn J.
/ APPLICANT: Lee, Yuan C.
/ APPLICANT: Coleman, Timothy A.
/ TITLE OF INVENTION: Engineering Intracellular Stalylation Pathways
/ FILE REFERENCE: 03940077dp
/ CURRENT APPLICATION NUMBER: US/11/123,013
/ CURRENT FILING DATE: 2005-05-06
/ PRIOR APPLICATION NUMBER: US 60/122,582
/ PRIOR FILING DATE: 1999-03-02
/ PRIOR APPLICATION NUMBER: US 60/169,624
/ PRIOR FILING DATE: 1999-12-08
/ PRIOR APPLICATION NUMBER: US 60/227,579
/ PRIOR FILING DATE: 2000-08-25
/ PRIOR APPLICATION NUMBER: US 09/516,793
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: US 09/930,440
/ PRIOR FILING DATE: 2001-08-16
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 6
/ LENGTH: 359
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-123-013-6
```

```
Query Match          0.4%; Score 6; DB 7; Length 359;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1144 GQNHOG 1149
      |||||
DB      26 GQNHOG 31
```

```
RESULT 220
US-11-052-554A-376
/ Sequence 376, Application US/1105254A
/ Publication No. US20050288866A1
/ GENERAL INFORMATION:
/ APPLICANT: Sachdeva, et al.
/ TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
/ TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
/ FILE REFERENCE: 30853/40359A
/ CURRENT APPLICATION NUMBER: US/11/052,554A
/ CURRENT FILING DATE: 2005-02-07
/ PRIOR APPLICATION NUMBER: US 60/589,227
/ PRIOR FILING DATE: 2004-07-20
/ PRIOR APPLICATION NUMBER: IN 173/DEL/2004
/ PRIOR FILING DATE: 2004-02-06
/ NUMBER OF SEQ ID NOS: 763
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 376
/ LENGTH: 360
/ TYPE: PRT
/ ORGANISM: Streptococcus pyogenes MGAS8232
US-11-052-554A-376
```

```
Query Match          0.4%; Score 6; DB 7; Length 360;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      114 VKKATI 119
      |||||
DB      174 VKKATI 179
```

```
RESULT 221
US-10-131-826A-252
/ Sequence 252, Application US/10131826A
```

```
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Defoige, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C128
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: US/10/131,826A
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 252
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-131-826A-252

Query Match          0.4%; Score 6; DB 6; Length 361;
Best Local Similarity 100.0%; Pred. No. 5, 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      171 RSLILG 176
Db      5 RSLILG 10
```

```
RESULT 222
US-11-082-389-418
; Sequence 418, Application US/11082389
; Publication No. US20050244935A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Habberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
```

```
; TITLE OF INVENTION: TRANSPORT
; FILE REFERENCE: BGI-131CPCN
; CURRENT APPLICATION NUMBER: US/11/082,389
; CURRENT FILING DATE: 2005-03-16
; PRIOR APPLICATION NUMBER: US 09/603024
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: US 60/143262
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: US 60/151281
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: DE 19930487.4
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19930489.0
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931549.3
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931550.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 418
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 258
; OTHER INFORMATION: Xaa = Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 259
; OTHER INFORMATION: Xaa = Cys or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 260
; OTHER INFORMATION: Xaa = Asp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 261
; OTHER INFORMATION: Xaa = Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 262, 270
; OTHER INFORMATION: Xaa = Met or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 272
; OTHER INFORMATION: Xaa = Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 273
; OTHER INFORMATION: Xaa = Arg, Lys, Ser, or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 274
; OTHER INFORMATION: Xaa = Phe or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 275
; OTHER INFORMATION: Xaa = Lys, Asn, Met, or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 276
; OTHER INFORMATION: Xaa = Gly, Arg, Ala, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 277
```

```

1 OTHER INFORMATION: Xaa = Ile or Phe
2 FEATURE:
3 NAME/KEY: VARIANT
4 LOCATION: 279
5 OTHER INFORMATION: Xaa = Lys or Gln
6 FEATURE:
7 NAME/KEY: VARIANT
8 LOCATION: 280
9 OTHER INFORMATION: Xaa = Glu, Lys, Asp, or Asn
10 FEATURE:
11 NAME/KEY: VARIANT
12 LOCATION: 286
13 OTHER INFORMATION: Xaa = any amino acid except Glu, Lys, Met,
14 FEATURE:
15 OTHER INFORMATION: Gln, or Trp
16 FEATURE:
17 NAME/KEY: VARIANT
18 LOCATION: 287
19 OTHER INFORMATION: Xaa = Leu, Pro, Gln, or Arg
20 FEATURE:
21 NAME/KEY: VARIANT
22 LOCATION: 289
23 OTHER INFORMATION: Xaa = Val, Ala, Asp, or Gly
24 JS-11-082-389-418

```

Query Match	0.48;	Score 6;	DB 7;	Length 362;
Best Local Similarity	100.08;	Pred. No. 5.1e+02;		
Matches	6;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

QY	154	SSLDQS	159
Db	121	SSLDQS	126

```

RESULT 223
US-11-054-281-120
Sequence 120, Application US/11054281
Publication No. US20060013813A1
GENERAL INFORMATION:
APPLICANT: Mezes et al.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-240CIP
CURRENT APPLICATION NUMBER: US/11/054,281
CURRENT FILING DATE: 2005-02-08
PRIORITY APPLICATION NUMBER: 60/261,014
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/261,018
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/318,410
PRIORITY FILING DATE: 2001-09-10
PRIORITY APPLICATION NUMBER: 60/261,013
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/261,026
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/261,029
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/313,170
PRIORITY FILING DATE: 2001-08-17
PRIORITY APPLICATION NUMBER: 10/044,564
PRIORITY FILING DATE: 2002-01-11
NUMBER OF SEQ ID NOS: 324
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 120
LENGTH: 363
TYPE: PRT
ORGANISM: Arabidopsis thaliana
US-11-054-281-120

```

Query Match	0.4%	Score 6;	DB 7;	Length 363;
Best Local Similarity	100.0%	Pred. No. 5.1e+02;		
Matches	6;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

QY 607 SRKPTP 612

```

Db          64 SRKPTP 69      |||||
                                     |||||
RESULT 224
US-10-793-626-2626
; Sequence 2626, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PUI3480US
; CURRENT APPLICATION NUMBER: US/10/793.626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2626
; LENGTH: 364
; TYPE: PR1
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-2626

```

Query Match	0.4%	Score 6;	DB 6;	Length 364;
Best Local Similarity	100.0%;	Pred. No. 5.1e+02;		
Matches	6;	Conservative	0;	Mismatches
			0;	Indels
				Gaps
				0;

QY	70	AIAGV	75
Db	145	AIAGV	150

```

RESULT 225
US-11-156-084-137
; Sequence 137, Application US/11156084
; Publication No. US20060010515A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
; FILE REFERENCE: (38-21)
; CURRENT APPLICATION NUMBER: US/11/156,084
; CURRENT FILING DATE: 2005-06-17
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 137
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (188)..(188)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (240)..(240)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; US-11-156-084-137

```

Query Match	0.4%	Score 6;	DB 7;	Length 366;
Best Local Similarity	100.0%	Pred. No. 5.1e+02;		
Matches	6;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

QY	831	GLP	VVV	836
Db	135	GLP	VVV	140

## RESULT 226

```
US-11-024-959-485
; Sequence 485, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 04463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 485
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-485

Query Match      0.4%; Score 6; DB 7; Length 369;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1345 QCLEGG 1350
Db      65 QCLEGG 70

RESULT 227
US-10-454-437-250
; Sequence 250, Application US/10454437
; Publication No. US2005027115A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroege, Burkhard
; APPLICANT: Schröder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; FILE REFERENCE: BGI-128CFCN
; CURRENT APPLICATION NUMBER: US/10/454,437
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 250
```

```
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-10-454-437-250

Query Match      0.4%; Score 6; DB 6; Length 371;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      972 CPVSLV 977
Db      325 CPVSLV 330

RESULT 228
US-11-120-308-118
; Sequence 118, Application US/11120308
; Publication No. US20060005277A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Forge, Charlie
; APPLICANT: Miao, Guo-Hua
; TITLE OF INVENTION: CDNAS Encoding Polypeptides
; FILE REFERENCE: BB-1365 US NA
; CURRENT APPLICATION NUMBER: US/11/120,308
; CURRENT FILING DATE: 2005-05-02
; PRIOR APPLICATION NUMBER: US/10/078,770
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 09/614,188
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: 60/143,400
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/153,534
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 60/161,223
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/159,878
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/157,401
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/143,419
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/143,409
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 118
; LENGTH: 371
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-11-120-308-118

Query Match      0.4%; Score 6; DB 7; Length 371;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      257 ILSPLQ 262
Db      148 ILSPLQ 153

RESULT 229
US-11-024-959-362
; Sequence 362, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
```

APPLICANT: KODRZYCKI, BOB  
TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS  
FILE REFERENCE: 044463-0360  
CURRENT APPLICATION NUMBER: US/11/024,959  
CURRENT FILING DATE: 2004-12-30  
PRIOR APPLICATION NUMBER: 60/533,036  
PRIOR FILING DATE: 2003-12-30  
NUMBER OF SEQ ID NOS: 782  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 362  
LENGTH: 372  
TYPE: PRT  
ORGANISM: Eucalyptus sp.  
US-11-024-959-362

Query Match 0.4%; Score 6; DB 7; Length 372;  
Best Local Similarity 100.0%; Pred. No. 5.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1345 OCLEGG 1350  
Db 64 OCLEGG 69

RESULT 230  
US-11-000-463-453  
Sequence 453, Application US/11000463  
Publication No. US20050266423A1  
GENERAL INFORMATION:  
APPLICANT: Tang, Y Tom  
APPLICANT: Liu, Chenghua  
APPLICANT: Asundi, Vinod  
APPLICANT: Chen, Rui-hong  
APPLICANT: Qian, Xiaohong B.  
APPLICANT: Wang, Zhiwei  
APPLICANT: Wehrman, Tom  
APPLICANT: Zhang, Jie  
APPLICANT: Zhou, Ping  
APPLICANT: Cao, Yi-Cheng  
APPLICANT: Drmanac, Radcoje T.  
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides  
FILE REFERENCE: 785CIP4CN  
CURRENT APPLICATION NUMBER: US/11/000,463  
CURRENT FILING DATE: 2004-11-29  
PRIOR APPLICATION NUMBER: 10/291,265  
PRIOR FILING DATE: 2002-11-08  
PRIOR APPLICATION NUMBER: PCT/US01/02623  
PRIOR FILING DATE: 2001-01-25  
PRIOR APPLICATION NUMBER: 09/922,279  
PRIOR FILING DATE: 2001-08-03  
PRIOR APPLICATION NUMBER: 09/491,404  
PRIOR FILING DATE: 2000-01-25  
PRIOR APPLICATION NUMBER: 09/617,746  
PRIOR FILING DATE: 2000-07-17  
PRIOR APPLICATION NUMBER: 09/631,451  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: 09/633,870  
PRIOR FILING DATE: 2000-09-15  
NUMBER OF SEQ ID NOS: 944  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 453  
LENGTH: 374  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-000-463-453

Query Match 0.4%; Score 6; DB 7; Length 374;  
Best Local Similarity 100.0%; Pred. No. 5.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 211 HSSGEE 216  
Db 334 HSSGEE 339

RESULT 231  
US-09-978-360A-506  
Sequence 506, Application US/09978360A  
Publication No. US2006009633A9

GENERAL INFORMATION:  
APPLICANT: Edwards, Jean-Baptiste Dumas Mline  
APPLICANT: Duclert, Aymeric  
APPLICANT: Bougueleret, Lydie  
APPLICANT: Jobert, Severin  
APPLICANT: Clusel, Catherine  
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides  
FILE REFERENCE: 56, US4, CIP  
CURRENT APPLICATION NUMBER: US/09/978,360A  
CURRENT FILING DATE: 2001-10-15  
PRIOR APPLICATION NUMBER: US 60/066,677  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: US 60/069,957  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: US 60/074,121  
PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: US 60/081,563  
PRIOR FILING DATE: 1998-04-13  
PRIOR APPLICATION NUMBER: US 60/096,116  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: US 60/099,273  
PRIOR FILING DATE: -09-04  
PRIOR APPLICATION NUMBER: US 09/191,997  
PRIOR FILING DATE: 1998-11-13  
PRIOR APPLICATION NUMBER: US 09/215,435  
PRIOR FILING DATE: 1998-12-17  
PRIOR APPLICATION NUMBER: PCT/IB98/02122  
PRIOR FILING DATE: 1998-12-17  
PRIOR APPLICATION NUMBER: US 09/247,155  
PRIOR FILING DATE: 1999-02-09  
Remaining Prior Application data removed - See file wrapper or PALM.

NUMBER OF SEQ ID NOS: 810  
SOFTWARE: Patent.pm  
SEQ ID NO 506  
LENGTH: 379  
TYPE: PRT  
ORGANISM: Homo sapiens

FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -37..-1  
US-09-978-360A-506

Query Match 0.4%; Score 6; DB 5; Length 379;  
Best Local Similarity 100.0%; Pred. No. 5.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1230 DCGVPD 1235  
Db 205 DCGVPD 210

RESULT 232  
US-10-467-657-6760  
Sequence 6760, Application US/10467657  
Publication No. US20050260581A1  
GENERAL INFORMATION:  
APPLICANT: CHIRON SPA  
APPLICANT: FONTANA Maria Rita  
APPLICANT: PIZZA Mariagrazia  
APPLICANT: MASIAGNI Vega  
APPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/467,657  
CURRENT FILING DATE: 2003-08-11  
PRIOR APPLICATION NUMBER: GB-0103424.8  
PRIOR FILING DATE: 2001-02-12



NUMBER OF SEQ ID NOS: 9218  
SOFTWARE: SeqWinn9, version 1.04  
SEQ ID NO 6760  
LENGTH: 380  
TYPE: PRT  
ORGANISM: Neisseria gonorrhoeae  
US-10-467-657-6760

Query Match  
Best Local Similarity 0.4%; Score 6; DB 6; Length 380;  
Pred. No. 5.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 800 AALITS 805  
Db 162 AALITS 167

RESULT 233  
US-10-525-674-28  
Sequence 28, Application US/10525674  
Publication No. US20060003425A1  
GENERAL INFORMATION:  
APPLICANT: Kroger, Burkhard  
APPLICANT: Zelder, Oskar  
APPLICANT: Kolpproge, Corinna  
APPLICANT: Schroder, Hartwig  
APPLICANT: Hahner, Stefan  
TITLE OF INVENTION: Method for Zymotic Production of Fine Chemicals Containing  
FILE REFERENCE: 13111-00002-US  
CURRENT APPLICATION NUMBER: US/10/525,674  
CURRENT FILING DATE: 2005-02-24  
PRIOR APPLICATION NUMBER: PCT/EP 2003/009452  
PRIOR FILING DATE: 2003-08-26  
PRIOR APPLICATION NUMBER: DE 102 39 073.8  
PRIOR FILING DATE: 2002-08-26  
NUMBER OF SEQ ID NOS: 69  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 28  
LENGTH: 380  
TYPE: PRT  
ORGANISM: Thermus thermophilus  
US-10-525-674-28

Query Match  
Best Local Similarity 0.4%; Score 6; DB 6; Length 380;  
Pred. No. 5.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1311 DNHDVG 1316  
Db 302 DNHDVG 307

RESULT 234  
US-11-159-516A-2  
Sequence 2, Application US/11159516A  
Publication No. US20050266484A1  
GENERAL INFORMATION:  
APPLICANT: Antignac, Corinne  
APPLICANT: Boute, Nicolas  
TITLE OF INVENTION: NPHS2 GENE INVOLVED IN THE STEROID-RESISTANT NEPHROTIC SYNDROME,  
FILE REFERENCE: 03754/100L671-US1  
CURRENT APPLICATION NUMBER: US/11/159,516A  
CURRENT FILING DATE: 2005-06-22  
PRIOR APPLICATION NUMBER: 10/199,945  
PRIOR FILING DATE: 2002-07-19  
PRIOR APPLICATION NUMBER: PCT/FR01/00188  
PRIOR FILING DATE: 2001-01-20  
PRIOR APPLICATION NUMBER: FR 0000709  
PRIOR FILING DATE: 2000-01-20  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn version 3.3

SEQ ID NO 2  
LENGTH: 383  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-159-516A-2

Query Match  
Best Local Similarity 0.4%; Score 6; DB 7; Length 383;  
Pred. No. 5.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 751 TEILLE 756  
Db 232 TEILLE 237

RESULT 235  
US-11-159-516A-29  
Sequence 29, Application US/11159516A  
Publication No. US20050266484A1  
GENERAL INFORMATION:  
APPLICANT: Antignac, Corinne  
APPLICANT: Boute, Nicolas  
TITLE OF INVENTION: NPHS2 GENE INVOLVED IN THE STEROID-RESISTANT NEPHROTIC SYNDROME,  
FILE REFERENCE: 03754/100L671-US1  
CURRENT APPLICATION NUMBER: US/11/159,516A  
CURRENT FILING DATE: 2005-06-22  
PRIOR APPLICATION NUMBER: 10/199,945  
PRIOR FILING DATE: 2002-07-19  
PRIOR APPLICATION NUMBER: PCT/FR01/00188  
PRIOR FILING DATE: 2001-01-20  
PRIOR APPLICATION NUMBER: FR 0000709  
PRIOR FILING DATE: 2000-01-20  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn version 3.3  
SEQ ID NO 29  
LENGTH: 383  
TYPE: PRT  
ORGANISM: Rattus rattus  
US-11-159-516A-29

Query Match  
Best Local Similarity 0.4%; Score 6; DB 7; Length 383;  
Pred. No. 5.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 751 TEILLE 756  
Db 232 TEILLE 237

RESULT 236  
US-10-131-826A-340  
Sequence 340, Application US/10131826A  
Publication No. US20050245730A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerlitsen, Mary B.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

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/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ CURRENT FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See file wrapper or PAM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 340
/ LENGTH: 386
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-340
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Query Match      0.4%; Score 6; DB 6; Length 386;
Best Local Similarity 100.0%; Pred.No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
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RESULT 237
US-11-185-878-2
/ Sequence 2, Application US/11185878
/ Publication No. US20050282217A1
/ GENERAL INFORMATION:
/ APPLICANT: NI, Jian
/ APPLICANT: Rosen, Craig A
/ TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor 10
/ FILE REFERENCE: PF379P1D1
/ CURRENT APPLICATION NUMBER: US/11/185,878
/ CURRENT FILING DATE: 2005-07-21
/ PRIOR APPLICATION NUMBER: US/10/280,047
/ PRIOR FILING DATE: 2002-10-25
/ PRIOR APPLICATION NUMBER: 09/580,212
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 09/086,483
/ PRIOR FILING DATE: 1998-05-29
/ PRIOR APPLICATION NUMBER: 60/069,112
/ PRIOR FILING DATE: 1997-12-09
/ PRIOR APPLICATION NUMBER: 60/050,936
/ PRIOR FILING DATE: 1997-05-30
/ PRIOR APPLICATION NUMBER: 60/144,023
/ PRIOR FILING DATE: 1999-07-15
/ PRIOR APPLICATION NUMBER: 60/142,563
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: 60/136,786
/ PRIOR FILING DATE: 1999-05-28
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 2
/ LENGTH: 386
/ TYPE: PRT
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/ ORGANISM: human
US-11-185-878-2
```

```
Query Match      0.4%; Score 6; DB 7; Length 386;
Best Local Similarity 100.0%; Pred.No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
```

```
RESULT 238
US-11-099-135-1
/ Sequence 1, Application US/11099135
/ Publication No. US20050287635A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi et al.
/ TITLE OF INVENTION: RTD Receptor
/ NUMBER OF SEQUENCES: 5
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 1 DNA Way
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Winpatin (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/11/099,135
/ FILING DATE: 05-APR-2005
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/548,815
/ FILING DATE: 13-APR-2000
/ APPLICATION NUMBER: US 08/918,874
/ FILING DATE: 26-AUG-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Marschang, Diane L.
/ REGISTRATION NUMBER: 35,600
/ REFERENCE/DOCKET NUMBER: P1129
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 650/225-5416
/ TELEFAX: 650/952-9881
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 386 amino acids
/ TYPE: Amino Acid
/ TOPOLOGY: Linear
US-11-099-135-1
```

```
Query Match      0.4%; Score 6; DB 7; Length 386;
Best Local Similarity 100.0%; Pred.No. 5.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      621 GQTNKS 626
        |||||
Db      124 GQTNKS 129
```

```
RESULT 239
US-11-139-425-5
/ Sequence 5, Application US/11139425
/ Publication No. US20060010518A1
/ GENERAL INFORMATION:
/ APPLICANT: FELDMANN, Kenneth A
/ APPLICANT: NADZAN, Gregory
/ APPLICANT: THEISS, Noah
/ TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND POLYPEPTIDES ENCODED THEREBY USEFUL FOR
```

```

; TITLE OF INVENTION: MODIFYING PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1597PUS2
; CURRENT APPLICATION NUMBER: US/11/139,425
; CURRENT FILING DATE: 2005-05-27
; PRIOR APPLICATION NUMBER: 60/575,183
; PRIOR FILING DATE: 2004-05-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5
; LENGTH: 387
; TYPE: PRT
; ORGANISM: Zea mays
US-11-139-425-5

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 387;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 463 LAGAT 468
DB 157 LAGAT 162

RESULT 240
US-10-527-500-5
; Sequence 5, Application US/10527500
; Publication No. US2006004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yasmine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES AND
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Phlebotomus ariasi
US-10-527-500-5

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 388;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 68 NPATIA 73
DB 132 NPATIA 137

RESULT 241
US-11-000-463-316
; Sequence 316, Application US/11000463
; Publication No. US20050266423A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y Tom
; APPLICANT: Liu, Chenghua
```

```

; APPLICANT: Aseudi, Vinod
; APPLICANT: Chen, Rui-hong
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wehrman, Tom
; APPLICANT: Zhang, Jie
; APPLICANT: Zhou, Ping
; APPLICANT: Cao, Yi-Cheng
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 785CIP4CN
; CURRENT APPLICATION NUMBER: US/11/000,463
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 10/291,265
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 316
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-316

Query Match
Best Local Similarity 100.0%; Score 6; DB 7; Length 389;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 40
DB 257 RRERLL 262

RESULT 242
US-10-957-569-35
; Sequence 35, Application US/10957569
; Publication No. US20050246785A1
; GENERAL INFORMATION:
; APPLICANT: COOK, Zhihong et al.
; TITLE OF INVENTION: PROMOTER, PROMOTER CONTROL ELEMENTS, AND COMBINATIONS, AND USES
; FILE REFERENCE: 2750-1577PUS3
; CURRENT APPLICATION NUMBER: US/10/957,569
; CURRENT FILING DATE: 2004-09-30
; PRIOR APPLICATION NUMBER: US 10/950,321
; PRIOR FILING DATE: 2004-09-23
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 35
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-957-569-35

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 392;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 196 WSTALP 201
DB 29 WSTALP 34
```

```
RESULT 243
US-10-527-500-7
; Sequence 7, Application US/10527500
; Publication No. US20060004186A1
; GENERAL INFORMATION:
; APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
; APPLICANT: REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
; APPLICANT: HUMAN SERVICES
; APPLICANT: Valenzuela, Jesus G.
; APPLICANT: Ribeiro, Jose M.C.
; APPLICANT: Kamhawi, Shaden
; APPLICANT: Belkaid, Yaamine
; APPLICANT: Fischer, Laurent Bernard
; APPLICANT: Audonnet, Jean-Cristophe
; APPLICANT: Milward, Francis William
; TITLE OF INVENTION: P. ARISI POLYPEPTIDES AND P. PENNICIOSUS POLYPEPTIDES AND
; FILE REFERENCE: 4239-66903-02
; CURRENT APPLICATION NUMBER: US/10/527,500
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: PCT/US2003/029833
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: US 60/425,852
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: US 60/412,327
; PRIOR FILING DATE: 2002-09-19
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: Patent version 3.2
; SEQ ID NO 7
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Phlebotomus arisi
US-10-527-500-7

Query Match      0.4%; Score 6; DB 6; Length 393;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      68 NPAAIA 73
Db      133 NPAAIA 138

RESULT 244
US-11-055-822-1094
; Sequence 1094, Application US/11055822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauser, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
```

```

; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Number of Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 1094
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-1094

Query Match      0.4%; Score 6; DB 7; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      776 IKLHVD 781
Db      57 IKLHVD 62

RESULT 245
US-11-043-752-2
; Sequence 2, Application US/11043752
; Publication No. US20060014165A1
; GENERAL INFORMATION:
; APPLICANT: Hakonarson, Hakon
; APPLICANT: Gurney, Mark E.
; APPLICANT: Halapi, Eva
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT FOR
; TITLE OF INVENTION: ASTHMA AND OTHER RESPIRATORY DISEASES BASED ON HAPLOTYPE
; FILE REFERENCE: 2345.2044-003
; CURRENT APPLICATION NUMBER: US/11/043,752
; CURRENT FILING DATE: 2005-01-26
; PRIOR APPLICATION NUMBER: PCT/US04/022446
; PRIOR FILING DATE: 2004-07-14
; PRIOR APPLICATION NUMBER: 60/487,072
; PRIOR FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 60/559,611
; PRIOR FILING DATE: 2004-04-05
; NUMBER OF SEQ ID NOS: 4326
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-043-752-2

Query Match      0.4%; Score 6; DB 7; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1307 HCLQDN 1312
Db      279 HCLQDN 284

RESULT 246
US-11-125-295-11
; Sequence 11, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomnichy, Boris
; APPLICANT: Wang, Xiaoming
; APPLICANT: Donoho, Gregory
; APPLICANT: Scoville, John
; APPLICANT: Walke, D. Wade
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0167-USA
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; CURRENT APPLICATION NUMBER: US/11/125,295
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/620,845
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US/09/841,683
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: US 60/199,499
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: US 60/201,227
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 396
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-125-295-11
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Query Match          0.4%; Score 6; DB 7; Length 396;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      173 LLLGSD 178
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Db       102 LLLGSD 107
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RESULT 247
US-10-467-657-4202
; Sequence 4202, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424, 8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4202
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4202
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Query Match          0.4%; Score 6; DB 6; Length 397;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      440 KEALQL 445
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Db       185 KEALQL 190
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```
RESULT 248
US-10-485-517-317
; Sequence 317, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
; APPLICANT: University of Sheffield
; APPLICANT: Biosynexus Incorporated
; APPLICANT: Foster, Simon
; APPLICANT: Mond, James
; TITLE OF INVENTION: Antigenic Polypeptides
; FILE REFERENCE: P1006229WO
; CURRENT APPLICATION NUMBER: US/10/485,517
; CURRENT FILING DATE: 2004-02-02
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; PRIOR APPLICATION NUMBER: GB 0118825.9
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: GB 0200349.9
; PRIOR FILING DATE: 2002-01-09
; NUMBER OF SEQ ID NOS: 424
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 317
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-485-517-317
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Query Match          0.4%; Score 6; DB 6; Length 400;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      70 AIIAGV 75
        |||||
Db       184 AIIAGV 189
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RESULT 249
US-10-517-939-132
; Sequence 132, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample
; NAME/KEY: SIGNAL
; LOCATION: (1)...(26)
US-10-517-939-132
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Query Match          0.4%; Score 6; DB 6; Length 405;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      463 LAGAAV 468
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Db       30 LAGAAV 35
```

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RESULT 250
US-11-125-295-9
; Sequence 9, Application US/11125295
; Publication No. US20050287562A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Nepomnichy, Boris
; APPLICANT: Wang, Xiaoning
; APPLICANT: Donoho, Gregory
```

; APPLICANT: Scoville, John  
; APPLICANT: Walke, D. Wade  
; TITLE OF INVENTION: Novel Human Kinase Proteins and Polynucleotides Encoding the Same  
; FILE REFERENCE: LEX-0167-USA  
; CURRENT APPLICATION NUMBER: US/11/125,295  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US/10/620,845  
; PRIOR FILING DATE: 2003-07-15  
; PRIOR APPLICATION NUMBER: US/09/841,683  
; PRIOR FILING DATE: 2001-04-24  
; PRIOR APPLICATION NUMBER: US 60/199,499  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: US 60/201,227  
; PRIOR FILING DATE: 2000-05-01  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: fastseq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 407  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-11-125-295-9

Query Match 0.4%; Score 6; DB 7; Length 407;  
Best Local Similarity 100.0%; Pred. No. 5.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 173 LLLGGD 178  
Db 102 LLLGGD 107

Search completed: January 30, 2006, 15:38:45  
Job time : 18 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:30:59 ; Search time 78 Seconds  
(without alignments)  
8345.873 Million cell updates/sec

Title: US-09-983-025b-2\_COPY\_234\_1791

Perfect score: 1558  
Sequence: 1 SPPESSNONGEGSYREAF.....AADCDDECTCRDPKAEHQ 1558

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 5

Total number of hits satisfying chosen parameters: 311388

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 500 summaries

Database :

.Published Applications AA Main:.\*  
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6: /cgn2\_6/ptodata/1/pubppaa/US11\_PUBCOMB.pep:.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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1	1558	100.0	1791	3	US-09-983-025-2
2	1303	83.6	1791	3	US-09-827-998-3
3	1303	83.4	1791	4	US-10-675-685-3
4	1299	83.4	1770	4	US-09-827-998-10
5	1299	83.4	1770	4	US-10-675-685-10
6	574	36.8	1385	3	US-09-827-998-16
7	574	36.8	1385	3	US-10-675-685-16
8	192	12.3	192	3	US-09-864-761-34265
9	70	4.5	70	3	US-09-864-761-34265
10	63	4.0	63	3	US-09-864-761-34265
11	18	1.2	704	5	US-10-741-600-1402
12	18	1.2	858	4	US-10-334-143-85
13	18	1.2	1232	5	US-10-741-600-1404
14	18	1.2	1420	5	US-10-741-600-1403
15	18	1.2	1420	5	US-10-741-600-1405
16	18	1.2	1547	5	US-10-783-311-2
17	18	1.2	1627	5	US-09-983-025-25
18	18	1.2	1627	4	US-10-295-027-663
19	18	1.2	1627	5	US-10-783-311-1
20	18	1.2	1627	5	US-10-741-600-1406
21	18	1.2	1627	5	US-10-991-321-32
22	18	1.2	1627	5	US-10-887-229A-8
23	18	1.2	1752	5	US-10-450-763-4197
24	18	1.2	1752	5	US-10-827-998-18
25	11	0.7	20	4	US-10-675-685-18
26	9	0.6	502	4	US-10-369-493-18401
27	8	0.5	20	4	US-10-115-072-7

28	8	0.5	20	4	US-10-679-032-45	Sequence 45, Appl
29	8	0.5	28	4	US-10-029-386-30575	Sequence 30575, A
30	8	0.5	43	4	US-10-424-599-243752	Sequence 243752, A
31	8	0.5	47	5	US-10-656-053B-90	Sequence 90, Appl
32	8	0.5	66	4	US-10-425-115-352366	Sequence 352366, A
33	8	0.5	87	3	US-09-864-408A-7358	Sequence 7358, Ap
34	8	0.5	117	4	US-10-437-963-137791	Sequence 137791, A
35	8	0.5	118	4	US-10-437-963-137791	Sequence 137791, A
36	8	0.5	145	4	US-10-425-115-301015	Sequence 301015, A
37	8	0.5	153	4	US-10-425-115-301017	Sequence 301017, A
38	8	0.5	173	4	US-10-424-599-261287	Sequence 261287, A
39	8	0.5	194	4	US-10-424-599-261287	Sequence 261287, A
40	8	0.5	202	5	US-10-732-923-15571	Sequence 15571, A
41	8	0.5	204	4	US-10-437-963-137791	Sequence 137791, A
42	8	0.5	224	4	US-10-767-701-32497	Sequence 32497, A
43	8	0.5	224	4	US-10-767-701-32497	Sequence 32497, A
44	8	0.5	279	4	US-10-424-599-261287	Sequence 261287, A
45	8	0.5	281	4	US-10-424-599-261287	Sequence 261287, A
46	8	0.5	377	4	US-10-602-898A-14	Sequence 61115, A
47	8	0.5	377	4	US-10-602-898A-14	Sequence 61115, A
48	8	0.5	377	5	US-10-732-923-7459	Sequence 14, Appl
49	8	0.5	457	3	US-09-815-242-13478	Sequence 7459, Ap
50	8	0.5	457	4	US-10-282-122A-74115	Sequence 13478, A
51	8	0.5	457	5	US-10-472-928-3436	Sequence 74115, A
52	8	0.5	470	4	US-10-156-761-8854	Sequence 3436, Ap
53	8	0.5	481	4	US-10-156-761-8854	Sequence 8854, Ap
54	8	0.5	489	4	US-10-156-761-8858	Sequence 14941, A
55	8	0.5	588	4	US-10-282-122A-60140	Sequence 8688, Ap
56	8	0.5	592	4	US-10-376-893-3	Sequence 60140, A
57	8	0.5	592	5	US-10-734-049A-261	Sequence 3, Appl
58	8	0.5	592	5	US-10-927-904-2	Sequence 261, Ap
59	8	0.5	592	5	US-10-450-763-30777	Sequence 2, Appl
60	8	0.5	598	3	US-09-925-301-1218	Sequence 30777, A
61	8	0.5	598	4	US-10-106-698-4589	Sequence 1218, Ap
62	8	0.5	602	4	US-10-282-122A-67750	Sequence 4589, Ap
63	8	0.5	602	4	US-10-282-122A-67750	Sequence 67750, A
64	8	0.5	615	4	US-10-375-039-32	Sequence 69598, A
65	8	0.5	712	4	US-10-425-115-304986	Sequence 32, Appl
66	8	0.5	1076	4	US-10-369-493-13831	Sequence 304986, A
67	8	0.5	1175	4	US-10-425-115-338822	Sequence 13831, A
68	8	0.5	1460	4	US-10-128-714-8301	Sequence 338822, A
69	8	0.5	1706	3	US-09-864-761-46862	Sequence 8301, Ap
70	8	0.5	3000	5	US-10-741-600-1286	Sequence 46862, A
71	8	0.5	3000	5	US-10-741-600-1286	Sequence 431, Ap
72	8	0.5	4536	5	US-10-656-053B-1	Sequence 1286, Ap
73	8	0.5	4560	5	US-09-870-759-128	Sequence 1, Appl
74	8	0.5	4563	3	US-09-802-640-32	Sequence 128, Ap
75	8	0.5	4563	3	US-09-802-640-32	Sequence 32, Appl
76	8	0.5	4563	3	US-09-751-708A-128	Sequence 128, Ap
77	8	0.5	4563	4	US-10-403-902A-32	Sequence 32, Appl
78	8	0.5	4563	4	US-10-741-601-432	Sequence 432, Ap
79	8	0.5	4563	4	US-10-741-601-432	Sequence 432, Ap
80	8	0.5	4563	4	US-10-428-817A-124	Sequence 124, Ap
81	8	0.5	4563	5	US-10-741-600-1287	Sequence 1287, Ap
82	8	0.5	4563	5	US-10-741-600-1288	Sequence 1288, Ap
83	8	0.5	4563	5	US-10-868-578A-25	Sequence 25, Appl
84	8	0.5	4563	5	US-10-937-758A-105	Sequence 105, Ap
85	8	0.5	4563	5	US-10-734-049A-169	Sequence 169, Ap
86	8	0.5	10	3	US-09-852-370-31	Sequence 31, Appl
87	8	0.5	18	4	US-10-097-800B-3	Sequence 31, Appl
88	8	0.5	18	4	US-10-002-244-4	Sequence 4, Appl
89	8	0.5	19	5	US-10-849-783-1	Sequence 4, Appl
90	8	0.5	19	5	US-10-849-783-1	Sequence 3, Appl
91	8	0.5	20	4	US-10-225-567A-1927	Sequence 1927, Ap
92	8	0.5	23	3	US-09-759-287A-5	Sequence 5, Appl
93	8	0.5	24	5	US-10-862-196-359	Sequence 369, Ap
94	8	0.5	41	4	US-10-423-115-260188	Sequence 260188, A
95	8	0.5	50	4	US-10-724-972A-4501	Sequence 4501, Ap
96	8	0.5	53	4	US-10-424-599-185684	Sequence 185684, A
97	8	0.5	55	4	US-10-425-115-270141	Sequence 270141, A
98	8	0.5	56	4	US-10-425-115-300521	Sequence 300521, A
99	8	0.5	58	4	US-10-029-386-30928	Sequence 30928, A
100	8	0.5	59	4	US-10-424-599-205515	Sequence 205515, A

101	7	0.4	59	4	US-10-424-599-251780	Sequence 251780,	174	7	0.4	115	3	US-09-864-408A-4214	Sequence 4214, Ap
102	7	0.4	59	4	US-10-376-774-2094	Sequence 2094, Ap	175	7	0.4	118	4	US-10-437-963-162708	Sequence 162708,
103	7	0.4	60	4	US-10-424-599-194952	Sequence 194952,	176	7	0.4	118	4	US-10-425-115-200841	Sequence 200841,
104	7	0.4	60	4	US-10-425-115-187628	Sequence 187628,	177	7	0.4	120	4	US-10-425-115-254171	Sequence 254171,
105	7	0.4	60	5	US-10-450-763-44502	Sequence 44502, A	178	7	0.4	123	4	US-10-767-701-38665	Sequence 38665, A
106	7	0.4	61	4	US-10-424-599-229240	Sequence 229240,	179	7	0.4	123	4	US-10-425-115-310393	Sequence 310393,
107	7	0.4	61	4	US-10-437-963-128751	Sequence 128751,	180	7	0.4	124	4	US-10-425-115-233169	Sequence 233169,
108	7	0.4	66	4	US-10-424-599-273193	Sequence 273193,	181	7	0.4	127	4	US-10-109-048-1009	Sequence 1009, Ap
109	7	0.4	67	4	US-10-424-599-265708	Sequence 265708,	182	7	0.4	127	4	US-10-109-048-1014	Sequence 1014, Ap
110	7	0.4	71	4	US-10-371-264-51	Sequence 51, Appl	183	7	0.4	131	4	US-10-425-115-220541	Sequence 220541,
111	7	0.4	71	4	US-10-371-099-347	Sequence 347, App	184	7	0.4	132	4	US-10-437-963-16586	Sequence 16586,
112	7	0.4	71	4	US-10-371-122-347	Sequence 347, App	185	7	0.4	133	4	US-10-424-599-263279	Sequence 263279,
113	7	0.4	71	4	US-10-373-567-51	Sequence 51, Appl	186	7	0.4	134	4	US-10-437-963-158476	Sequence 158476,
114	7	0.4	71	4	US-10-424-599-206911	Sequence 206911,	187	7	0.4	136	4	US-10-425-115-236643	Sequence 41883, A
115	7	0.4	71	4	US-10-628-088-347	Sequence 347, App	188	7	0.4	136	4	US-10-425-115-236643	Sequence 236643,
116	7	0.4	71	5	US-10-831-780-347	Sequence 347, App	189	7	0.4	138	4	US-10-425-115-263909	Sequence 263909,
117	7	0.4	71	5	US-10-831-780-347	Sequence 51, Appl	190	7	0.4	139	4	US-10-424-599-150906	Sequence 150906,
118	7	0.4	72	4	US-10-437-963-147197	Sequence 147197,	191	7	0.4	139	4	US-10-437-963-153082	Sequence 153082,
119	7	0.4	72	5	US-10-450-763-54585	Sequence 54585, A	192	7	0.4	142	4	US-10-425-115-223112	Sequence 223112,
120	7	0.4	75	5	US-10-437-963-131823	Sequence 131823,	193	7	0.4	143	4	US-10-425-115-196358	Sequence 196358,
121	7	0.4	75	5	US-10-501-282-5414	Sequence 5414, Ap	194	7	0.4	143	6	US-11-097-114-39795	Sequence 39795, A
122	7	0.4	76	4	US-10-424-599-187334	Sequence 187334,	195	7	0.4	144	4	US-10-424-599-26661	Sequence 20661, A
123	7	0.4	76	4	US-10-424-599-275637	Sequence 275637,	196	7	0.4	144	5	US-10-805-684-73	Sequence 73, Appl
124	7	0.4	79	4	US-10-425-115-251006	Sequence 251006,	197	7	0.4	147	4	US-10-437-963-18775	Sequence 18775,
125	7	0.4	80	4	US-10-437-963-154413	Sequence 154413,	198	7	0.4	148	4	US-10-424-599-249722	Sequence 249722,
126	7	0.4	81	4	US-10-437-963-178946	Sequence 178946,	199	7	0.4	150	4	US-10-437-963-16703	Sequence 126703,
127	7	0.4	82	4	US-10-424-599-285530	Sequence 285530,	200	7	0.4	152	4	US-10-767-701-55069	Sequence 59069, A
128	7	0.4	86	4	US-10-425-115-260925	Sequence 260925,	201	7	0.4	153	4	US-10-425-115-360242	Sequence 360242,
129	7	0.4	89	4	US-10-425-115-215995	Sequence 215995,	202	7	0.4	154	4	US-10-385-415-98	Sequence 98, Appl
130	7	0.4	94	4	US-10-425-115-272244	Sequence 272244,	203	7	0.4	155	3	US-09-917-340-29	Sequence 29, Appl
131	7	0.4	95	4	US-10-425-115-271618	Sequence 271618,	204	7	0.4	155	4	US-10-344-709C-8	Sequence 8, Appl1
132	7	0.4	96	4	US-10-424-599-207426	Sequence 207426,	205	7	0.4	155	5	US-10-844-837-29	Sequence 29, Appl
133	7	0.4	96	4	US-10-425-115-347279	Sequence 347279,	206	7	0.4	155	5	US-10-909-119-44	Sequence 44, Appl
134	7	0.4	98	5	US-10-450-763-30900	Sequence 30900, A	207	7	0.4	155	5	US-10-657-883-29	Sequence 29, Appl
135	7	0.4	99	4	US-10-425-115-237040	Sequence 237040,	208	7	0.4	157	4	US-10-424-599-222160	Sequence 222160,
136	7	0.4	101	4	US-10-437-963-151997	Sequence 151997,	209	7	0.4	157	4	US-10-437-963-180327	Sequence 180327,
137	7	0.4	102	4	US-10-282-122A-47933	Sequence 47933, A	210	7	0.4	158	4	US-10-767-701-61942	Sequence 61942, A
138	7	0.4	102	4	US-10-282-122A-49031	Sequence 49031, A	211	7	0.4	159	4	US-10-424-599-167313	Sequence 167313,
139	7	0.4	102	4	US-10-282-122A-50686	Sequence 50686, A	212	7	0.4	159	4	US-10-369-493-22406	Sequence 59085, A
140	7	0.4	102	5	US-10-501-282-5056	Sequence 5056, Ap	213	7	0.4	161	4	US-10-369-493-22406	Sequence 22406, A
141	7	0.4	103	3	US-09-815-242-11108	Sequence 11108, A	214	7	0.4	161	4	US-10-425-115-317008	Sequence 317008,
142	7	0.4	103	3	US-10-282-122A-46575	Sequence 46575, A	215	7	0.4	162	3	US-09-882-221-82	Sequence 82, Appl1
143	7	0.4	103	4	US-10-282-122A-58297	Sequence 58297, A	216	7	0.4	162	4	US-10-767-701-38518	Sequence 38518, A
144	7	0.4	103	4	US-10-424-599-225215	Sequence 225215,	217	7	0.4	162	5	US-10-805-684-72	Sequence 72, Appl
145	7	0.4	104	3	US-09-741-669-297	Sequence 297, App	218	7	0.4	165	4	US-10-437-963-102587	Sequence 102587,
146	7	0.4	104	3	US-09-912-020-321	Sequence 321, App	219	7	0.4	166	4	US-10-424-599-274517	Sequence 274517,
147	7	0.4	104	3	US-09-815-242-5168	Sequence 5168, Ap	220	7	0.4	167	4	US-10-425-115-250906	Sequence 250906,
148	7	0.4	104	3	US-09-815-242-10348	Sequence 10348, A	221	7	0.4	169	4	US-10-282-122A-65507	Sequence 65507, A
149	7	0.4	104	3	US-09-815-242-14107	Sequence 14107, A	222	7	0.4	169	4	US-10-282-122A-65794	Sequence 65794, A
150	7	0.4	104	4	US-10-287-374-323	Sequence 323, App	223	7	0.4	170	5	US-10-510-408-16	Sequence 16, Appl
151	7	0.4	104	4	US-10-282-122A-42716	Sequence 42716, A	224	7	0.4	174	4	US-10-296-115-1129	Sequence 1129, Ap
152	7	0.4	104	4	US-10-282-122A-43483	Sequence 43483, A	225	7	0.4	174	4	US-10-425-115-364462	Sequence 364462,
153	7	0.4	104	4	US-10-282-122A-56112	Sequence 56112, A	226	7	0.4	178	6	US-11-097-143-23058	Sequence 23058, A
154	7	0.4	104	4	US-10-282-122A-60112	Sequence 60112, A	227	7	0.4	180	4	US-10-425-115-44967	Sequence 49667, A
155	7	0.4	104	4	US-10-282-122A-67824	Sequence 67824, A	228	7	0.4	180	4	US-10-425-115-315099	Sequence 315099,
156	7	0.4	104	4	US-10-282-122A-69334	Sequence 69334, A	229	7	0.4	181	4	US-10-017-161-1544	Sequence 1544, Ap
157	7	0.4	104	4	US-10-282-122A-73568	Sequence 73568, A	230	7	0.4	181	4	US-10-424-599-282418	Sequence 282418,
158	7	0.4	104	4	US-10-282-122A-75721	Sequence 75721, A	231	7	0.4	182	4	US-10-424-599-156286	Sequence 156286,
159	7	0.4	104	4	US-10-282-122A-78268	Sequence 78268, A	232	7	0.4	185	4	US-10-699-033A-28	Sequence 28, Appl
160	7	0.4	104	4	US-10-425-114-50705	Sequence 50705, A	233	7	0.4	185	5	US-10-501-282-5416	Sequence 5416, Ap
161	7	0.4	104	5	US-10-771-241-321	Sequence 321, App	234	7	0.4	187	4	US-10-425-114-68575	Sequence 68575, A
162	7	0.4	107	3	US-09-738-973-113	Sequence 113, App	235	7	0.4	189	4	US-10-351-951-3	Sequence 3, Appl1
163	7	0.4	107	3	US-09-854-133-113	Sequence 113, App	236	7	0.4	189	5	US-10-472-928-1876	Sequence 1876, Ap
164	7	0.4	107	4	US-10-144-649A-113	Sequence 113, App	237	7	0.4	189	5	US-10-450-763-45016	Sequence 45016, A
165	7	0.4	107	4	US-10-424-599-149280	Sequence 149280,	238	7	0.4	194	4	US-10-437-963-115224	Sequence 115224,
166	7	0.4	108	4	US-10-425-115-276283	Sequence 276283,	239	7	0.4	194	6	US-11-097-143-35033	Sequence 35403, A
167	7	0.4	110	3	US-09-815-242-5029	Sequence 5029, Ap	240	7	0.4	196	4	US-10-282-122A-77856	Sequence 77856, A
168	7	0.4	110	4	US-10-425-115-189285	Sequence 189285,	241	7	0.4	196	4	US-10-425-115-296554	Sequence 296554,
169	7	0.4	110	4	US-10-767-701-32346	Sequence 32346, A	242	7	0.4	196	5	US-10-450-763-46391	Sequence 46391, A
170	7	0.4	111	4	US-10-425-115-216434	Sequence 216434,	243	7	0.4	198	4	US-10-282-122A-68070	Sequence 68070, A
171	7	0.4	112	4	US-10-425-115-216152	Sequence 216152,	244	7	0.4	198	4	US-10-437-963-124091	Sequence 142091,
172	7	0.4	112	4	US-10-425-115-350710	Sequence 350710,	245	7	0.4	199	5	US-10-921-023-40	Sequence 40, Appl1
173	7	0.4	114	4	US-10-425-114-68056	Sequence 68056, A	246	7	0.4	201	4	US-10-282-122A-51043	Sequence 51043, A



247	7	0.4	201	4	US-10-282-122A-52842	Sequence 52842, A	320	7	0.4	305	5	US-10-663-497-7	Sequence 7, Appl1
248	7	0.4	201	5	US-10-617-320-3611	Sequence 3611, Ap	321	7	0.4	311	3	US-09-886-055-291	Sequence 291, App
249	7	0.4	203	4	US-10-282-122A-72720	Sequence 72720, A	322	7	0.4	311	3	US-09-864-029-12	Sequence 12, Appl
250	7	0.4	204	4	US-10-424-599-219633	Sequence 219633,	323	7	0.4	311	3	US-09-804-291-291	Sequence 291, Appl
251	7	0.4	205	3	US-09-815-242-10146	Sequence 10146, A	324	7	0.4	311	4	US-10-156-761-10112	Sequence 10112, A
252	7	0.4	205	4	US-10-282-122A-56531	Sequence 56531, A	325	7	0.4	311	4	US-10-017-161-536	Sequence 536, App
253	7	0.4	205	4	US-10-282-122A-59352	Sequence 59352, A	326	7	0.4	311	4	US-10-343-650A-666	Sequence 646, App
254	7	0.4	205	4	US-10-282-122A-75980	Sequence 75980, A	327	7	0.4	311	5	US-10-819-316-291	Sequence 291, App
255	7	0.4	207	3	US-10-425-115-264707	Sequence 264707,	328	7	0.4	314	4	US-10-437-963-151175	Sequence 151175,
256	7	0.4	209	3	US-09-862-027-6	Sequence 6, Appl1	329	7	0.4	315	4	US-10-767-701-41469	Sequence 41469, A
257	7	0.4	209	5	US-10-989-228-6	Sequence 6, Appl1	330	7	0.4	315	4	US-10-425-115-264703	Sequence 264703,
258	7	0.4	212	6	US-11-097-143-17817	Sequence 17817, A	331	7	0.4	318	5	US-10-450-763-35646	Sequence 35646, A
259	7	0.4	213	5	US-10-450-763-36588	Sequence 36588, A	332	7	0.4	330	5	US-10-741-600-1535	Sequence 1535, Ap
260	7	0.4	217	5	US-10-980-519-12	Sequence 12, Appl	333	7	0.4	332	4	US-10-369-493-18924	Sequence 18924, A
261	7	0.4	222	3	US-09-815-242-13942	Sequence 13942, A	334	7	0.4	333	4	US-10-425-114-69340	Sequence 69340, A
262	7	0.4	223	4	US-10-437-963-114060	Sequence 114060,	335	7	0.4	333	4	US-10-149-506-4	Sequence 4, Appl1
263	7	0.4	225	4	US-10-437-963-125289	Sequence 125289,	336	7	0.4	333	4	US-09-934-455-364	Sequence 115507,
264	7	0.4	232	4	US-10-282-122A-55444	Sequence 55444, A	337	7	0.4	336	3	US-10-334-213-251	Sequence 364, App
265	7	0.4	233	4	US-10-369-493-19389	Sequence 19389, A	338	7	0.4	326	5	US-10-264-423-1251	Sequence 251, App
266	7	0.4	233	4	US-10-282-122A-46941	Sequence 46941, A	339	7	0.4	326	5	US-10-739-930-6157	Sequence 6157, Ap
267	7	0.4	236	4	US-10-425-115-216597	Sequence 216597,	340	7	0.4	328	4	US-10-425-114-60102	Sequence 60102, A
268	7	0.4	236	5	US-10-487-002-14	Sequence 14, Appl	341	7	0.4	331	4	US-10-767-701-44953	Sequence 44953, A
269	7	0.4	237	3	US-09-855-604-460	Sequence 460, App	342	7	0.4	331	5	US-10-450-763-38913	Sequence 38913, A
270	7	0.4	237	3	US-09-855-604-460	Sequence 460, App	343	7	0.4	332	4	US-10-437-963-184358	Sequence 184358,
271	7	0.4	239	4	US-10-425-114-53751	Sequence 53751, A	344	7	0.4	332	4	US-10-425-115-251329	Sequence 251329,
272	7	0.4	245	4	US-10-104-047-3323	Sequence 3323, Ap	345	7	0.4	332	4	US-10-425-115-336022	Sequence 336022,
273	7	0.4	245	4	US-10-767-701-42154	Sequence 42154, A	346	7	0.4	333	4	US-10-149-506-6	Sequence 6, Appl1
274	7	0.4	245	4	US-10-425-115-268422	Sequence 268422,	347	7	0.4	335	4	US-10-424-599-220709	Sequence 220709,
275	7	0.4	246	4	US-10-437-963-135385	Sequence 135385,	348	7	0.4	335	4	US-10-425-115-239314	Sequence 239314,
276	7	0.4	246	4	US-10-437-963-141111	Sequence 141111,	349	7	0.4	335	4	US-10-424-599-240135	Sequence 240135,
277	7	0.4	247	4	US-10-424-599-258026	Sequence 258026,	350	7	0.4	340	4	US-10-437-963-112775	Sequence 112775,
278	7	0.4	247	4	US-10-425-115-259355	Sequence 259355,	351	7	0.4	344	4	US-10-437-963-178929	Sequence 178929,
279	7	0.4	248	3	US-09-855-604-462	Sequence 462, App	352	7	0.4	347	4	US-10-437-963-204662	Sequence 204662,
280	7	0.4	248	3	US-09-855-604-462	Sequence 462, App	353	7	0.4	348	5	US-10-664-421-131	Sequence 129, App
281	7	0.4	249	4	US-10-238-075-389	Sequence 389, App	354	7	0.4	348	5	US-10-941-635-1129	Sequence 131, App
282	7	0.4	250	4	US-10-437-963-108124	Sequence 108124,	355	7	0.4	349	5	US-10-921-023-8	Sequence 8, Appl1
283	7	0.4	251	4	US-10-424-599-269551	Sequence 269551,	356	7	0.4	350	4	US-10-343-649-4	Sequence 4, Appl1
284	7	0.4	251	5	US-10-450-763-43511	Sequence 43511, A	357	7	0.4	350	6	US-11-004-749-4	Sequence 4, Appl1
285	7	0.4	254	4	US-10-369-493-11429	Sequence 11429, A	358	7	0.4	351	4	US-10-574-055-1	Sequence 1, Appl1
286	7	0.4	254	4	US-10-424-599-143303	Sequence 143203,	359	7	0.4	351	4	US-10-425-114-40058	Sequence 40058, A
287	7	0.4	255	5	US-10-739-930-7152	Sequence 7152, Ap	360	7	0.4	351	5	US-10-819-095-6	Sequence 6, Appl1
288	7	0.4	256	5	US-10-481-032A-462	Sequence 462, App	361	7	0.4	351	5	US-10-517-995-12	Sequence 12, Appl
289	7	0.4	257	4	US-10-437-963-179586	Sequence 179586,	362	7	0.4	352	4	US-10-424-599-256670	Sequence 256670,
290	7	0.4	259	3	US-09-738-626-3604	Sequence 3604, Ap	363	7	0.4	358	4	US-10-320-797-3120	Sequence 3120, Ap
291	7	0.4	259	4	US-10-437-963-130368	Sequence 130368,	364	7	0.4	359	6	US-11-097-143-39777	Sequence 39777, A
292	7	0.4	259	4	US-10-425-115-240287	Sequence 240287,	365	7	0.4	360	4	US-10-425-114-46347	Sequence 46347, A
293	7	0.4	261	4	US-10-425-115-208110	Sequence 208110,	366	7	0.4	361	3	US-09-738-626-6887	Sequence 6887, Ap
294	7	0.4	264	4	US-10-437-963-204731	Sequence 204731,	367	7	0.4	361	4	US-10-781-014-302	Sequence 302, App
295	7	0.4	264	5	US-10-481-032A-598	Sequence 598, App	368	7	0.4	361	5	US-10-618-281-36	Sequence 36, Appl
296	7	0.4	266	3	US-09-833-245-705	Sequence 705, App	369	7	0.4	362	4	US-10-156-761-10744	Sequence 10744, A
297	7	0.4	266	5	US-10-472-533-545	Sequence 545, App	370	7	0.4	362	4	US-10-084-846-10	Sequence 10, Appl
298	7	0.4	267	5	US-10-481-032A-312	Sequence 312, App	371	7	0.4	369	4	US-10-288-930-66	Sequence 66, Appl
299	7	0.4	274	4	US-10-767-701-39782	Sequence 39782,	372	7	0.4	370	4	US-10-282-122A-49700	Sequence 487, App
300	7	0.4	275	4	US-10-424-599-146809	Sequence 146809,	373	7	0.4	372	4	US-10-170-385-487	Sequence 487, App
301	7	0.4	276	4	US-10-282-122A-71038	Sequence 71038, A	374	7	0.4	372	5	US-10-741-600-1538	Sequence 1538, Ap
302	7	0.4	276	4	US-10-282-122A-75192	Sequence 75192, A	375	7	0.4	373	5	US-10-741-600-1536	Sequence 1536, Ap
303	7	0.4	276	4	US-10-282-122A-76023	Sequence 76023, A	376	7	0.4	375	4	US-10-387-767-10	Sequence 10, Appl
304	7	0.4	277	4	US-10-730-866-16	Sequence 16, Appl	377	7	0.4	375	5	US-10-741-600-1534	Sequence 1534, Ap
305	7	0.4	287	4	US-10-437-963-150761	Sequence 150761,	378	7	0.4	377	4	US-10-236-417-4	Sequence 4, Appl1
306	7	0.4	289	4	US-10-425-114-58456	Sequence 58456, A	379	7	0.4	382	4	US-10-282-122A-50858	Sequence 50858, A
307	7	0.4	292	4	US-10-425-114-68780	Sequence 68780, A	380	7	0.4	384	4	US-10-156-761-9248	Sequence 9248, Ap
308	7	0.4	292	4	US-10-437-963-147285	Sequence 147285,	381	7	0.4	385	4	US-10-282-122A-64120	Sequence 64120, A
309	7	0.4	294	4	US-10-253-904-6	Sequence 6, Appl1	382	7	0.4	385	5	US-10-741-600-1537	Sequence 1537, Ap
310	7	0.4	295	4	US-10-392-970-6	Sequence 290956,	383	7	0.4	385	5	US-10-741-600-1537	Sequence 1537, Ap
311	7	0.4	295	6	US-10-425-115-290956	Sequence 6, Appl1	384	7	0.4	390	4	US-10-282-122A-48937	Sequence 48937, A
312	7	0.4	295	6	US-11-109-793-6	Sequence 290956,	385	7	0.4	390	4	US-10-424-599-220210	Sequence 220210,
313	7	0.4	296	4	US-10-921-023-39	Sequence 39, Appl	386	7	0.4	391	3	US-09-971-536-54	Sequence 54, Appl
314	7	0.4	298	4	US-10-380-558-17	Sequence 17, Appl	387	7	0.4	391	4	US-10-108-260A-4591	Sequence 4591, App
315	7	0.4	298	5	US-10-983-950-17	Sequence 17, Appl	388	7	0.4	391	5	US-10-650-274-143	Sequence 143, App
316	7	0.4	303	4	US-10-437-963-151697	Sequence 151697,	389	7	0.4	392	4	US-10-369-493-23435	Sequence 23435, A
317	7	0.4	305	4	US-10-188-012-5	Sequence 5, Appl1	390	7	0.4	392	4	US-10-425-114-45798	Sequence 45798, A
318	7	0.4	305	4	US-10-188-012-7	Sequence 7, Appl1	391	7	0.4	394	4	US-10-437-963-111248	Sequence 111248,
319	7	0.4	305	5	US-10-663-497-5	Sequence 5, Appl1	392	7	0.4	395	4	US-10-425-115-364466	Sequence 364466,

393	7	0.4	400	4	US-10-755-889-408	Sequence 408, App
394	7	0.4	403	4	US-10-251-385-114	Sequence 114, App
395	7	0.4	403	4	US-10-251-385-224	Sequence 224, App
396	7	0.4	403	4	US-10-325-567a-540	Sequence 540, App
397	7	0.4	403	4	US-10-290-078-18	Sequence 18, App
398	7	0.4	403	4	US-10-553-690-10	Sequence 10, App
399	7	0.4	403	5	US-10-915-157-8	Sequence 8, App
400	7	0.4	404	4	US-10-424-599-202761	Sequence 202761, App
401	7	0.4	406	4	US-10-369-493-2966	Sequence 2966, App
402	7	0.4	407	4	US-10-408-765a-2354	Sequence 2354, App
403	7	0.4	409	5	US-10-921-023-6	Sequence 6, App
404	7	0.4	411	6	US-11-018-116-4	Sequence 4, App
405	7	0.4	414	4	US-10-083-357-1274	Sequence 1274, App
406	7	0.4	415	5	US-10-732-923-17408	Sequence 17408, A
407	7	0.4	416	4	US-10-437-963-125669	Sequence 125669, A
408	7	0.4	416	5	US-10-732-923-13973	Sequence 13973, A
409	7	0.4	422	4	US-10-040-884-3	Sequence 3, App
410	7	0.4	422	4	US-10-424-599-273394	Sequence 273394, App
411	7	0.4	422	4	US-10-367-094-141	Sequence 141, App
412	7	0.4	422	6	US-11-122-590-3	Sequence 3, App
413	7	0.4	423	4	US-10-437-963-144532	Sequence 144532, App
414	7	0.4	424	4	US-10-424-599-248179	Sequence 248179, App
415	7	0.4	424	4	US-10-767-701-41433	Sequence 41433, A
416	7	0.4	424	5	US-10-718-986-9	Sequence 9, App
417	7	0.4	424	5	US-10-939-262-9	Sequence 9, App
418	7	0.4	425	3	US-09-764-868-626	Sequence 626, App
419	7	0.4	425	3	US-10-437-963-136793	Sequence 136793, App
420	7	0.4	426	4	US-10-311-671-1	Sequence 1, App
421	7	0.4	426	4	US-10-712-124-116	Sequence 116, App
422	7	0.4	426	6	US-11-100-583-1	Sequence 1, App
423	7	0.4	429	4	US-10-767-701-47079	Sequence 47079, A
424	7	0.4	429	4	US-10-425-115-264711	Sequence 264711, A
425	7	0.4	430	4	US-10-156-761-14016	Sequence 14016, A
426	7	0.4	430	4	US-10-425-115-264710	Sequence 264710, App
427	7	0.4	431	4	US-10-309-175-2	Sequence 2, App
428	7	0.4	433	4	US-10-278-945-2	Sequence 2, App
429	7	0.4	433	4	US-10-309-175-4	Sequence 4, App
430	7	0.4	434	4	US-10-425-115-231983	Sequence 231983, App
431	7	0.4	435	4	US-10-128-714-3198	Sequence 3198, App
432	7	0.4	437	4	US-10-282-122a-66585	Sequence 66585, A
433	7	0.4	439	4	US-10-282-122a-70711	Sequence 70711, A
434	7	0.4	443	4	US-10-724-972a-4062	Sequence 4062, App
435	7	0.4	445	4	US-10-240-145-53	Sequence 139, App
436	7	0.4	445	4	US-10-240-145-139	Sequence 139, App
437	7	0.4	445	4	US-10-425-114-56650	Sequence 56650, A
438	7	0.4	445	5	US-10-899-458-2	Sequence 2, App
439	7	0.4	445	5	US-10-899-458-4	Sequence 4, App
440	7	0.4	445	5	US-10-291-128-53	Sequence 53, App
441	7	0.4	445	5	US-10-291-128-139	Sequence 139, App
442	7	0.4	446	5	US-10-450-763-43512	Sequence 43512, A
443	7	0.4	447	4	US-10-327-813-2	Sequence 2, App
444	7	0.4	447	4	US-10-329-668-2	Sequence 2, App
445	7	0.4	447	4	US-10-418-007-2	Sequence 2, App
446	7	0.4	447	4	US-10-429-160-12	Sequence 12, App
447	7	0.4	447	4	US-10-236-417-2	Sequence 2, App
448	7	0.4	447	4	US-10-236-417-6	Sequence 6, App
449	7	0.4	447	5	US-10-717-049-2	Sequence 2, App
450	7	0.4	447	5	US-10-899-458-6	Sequence 6, App
451	7	0.4	447	5	US-10-821-023-2	Sequence 2, App
452	7	0.4	447	5	US-10-500-912-2	Sequence 2, App
453	7	0.4	447	5	US-10-509-197-2	Sequence 2, App
454	7	0.4	450	3	US-09-918-171a-19	Sequence 19, App
455	7	0.4	450	3	US-10-128-714-8479	Sequence 8479, App
456	7	0.4	450	4	US-10-087-887-85	Sequence 85, App
457	7	0.4	451	4	US-10-282-122a-45133	Sequence 45133, A
458	7	0.4	451	4	US-10-236-417-8	Sequence 8, App
459	7	0.4	453	4	US-10-282-122a-72888	Sequence 72888, A
460	7	0.4	453	4	US-10-425-114-71554	Sequence 71554, A
461	7	0.4	457	4	US-10-028-072-236	Sequence 236, App
462	7	0.4	457	4	US-10-140-808-236	Sequence 236, App
463	7	0.4	457	4	US-10-121-049-236	Sequence 236, App
464	7	0.4	457	4	US-10-123-904-236	Sequence 236, App
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Sequence 236, App

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US-10-176-918-236

Sequence 236, App

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US-10-176-921-236

Sequence 236, App

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US-10-137-865-236

Sequence 236, App

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Sequence 236, App

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Sequence 236, App

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Sequence 236, App

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Sequence 236, App

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US-10-140-928-236

Sequence 236, App

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US-10-124-822-236

Sequence 236, App

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US-10-140-928-236

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US-10-160-498-236

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Sequence 236, App

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Sequence 236, App

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US-10-127-835a-236

Sequence 236, App

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US-10-127-901a-236

Sequence 236, App

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US-10-128-693a-236

Sequence 236, App

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US-10-131-813a-236

Sequence 236, App

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US-10-131-818a-236

Sequence 236, App

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US-10-131-823a-236

Sequence 236, App

ALIGNMENTS

RESULT 1

US-09-983-025-2

Sequence 2, Application US/09983025

Publication No. US20030124529A1

GENERAL INFORMATION:

APPLICANT: OXYIG, Claus

APPLICANT: OVERGAARD, Michael T.

FILE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)

FILE REFERENCE: OXYIG-1A

CURRENT APPLICATION NUMBER: US/09/983,025

CURRENT FILING DATE: 2001-10-22

PRIOR APPLICATION NUMBER: US 60/241,840

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: DK PA 2000 01571

PRIOR FILING DATE: 2000-10-20

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 1791

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)..(66)

OTHER INFORMATION: prepro part of PAPP-A2

NAME/KEY: misc.feature

LOCATION: (67)..(699)

OTHER INFORMATION: pro part of PAPP-A2

US-09-983-025-2

Query Match 100.0%; Score 1558; DB 3; Length 1791;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1558; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 SPPESSNONGEGSYREAEFTNSOVGLPILYFSGRERRLLRPREVLAEIPREAFTEAVMY 60
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QY 61 KPEGGONNPAIAGVFNCSHTVSDKGMALGIRSGDKGRDAFFPFLCTDRVKKATIL 120
Db 294 KPEGGONNPAIAGVFNCSHTVSDKGMALGIRSGDKGRDAFFPFLCTDRVKKATIL 353
QY 121 ISHSRYQPGTWTWVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMACSRLLLGDS 180
Db 354 ISHSRYQPGTWTWVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMACSRLLLGDS 413
QY 181 EDGHYFRGHLGTLVFNSTALPOSHFOHSSOHSSGEEBATLVLTASREPVTENVPRDE 240
Db 414 EDGHYFRGHLGTLVFNSTALPOSHFOHSSOHSSGEEBATLVLTASREPVTENVPRDE 473
QY 241 KYRLEVLQGFEBEPEILSPLOPPLCGQTVCDNVELISQYNGWPLRGEKVIROYVNIC 300
Db 474 KYRLEVLQGFEBEPEILSPLOPPLCGQTVCDNVELISQYNGWPLRGEKVIROYVNIC 533
QY 301 DDEGLNPIYSEBOIRLOHEALNEAFSRKYNISWQLSYHQVNSTLRHRVVLNCEPSKIGN 360
Db 534 DDEGLNPIYSEBOIRLOHEALNEAFSRKYNISWQLSYHQVNSTLRHRVVLNCEPSKIGN 593
QY 361 DHCDPECEHPLTGYDGGDCRLQGRCYSMNRDGLCHYECNNMLNDPDDGCCDPOYADVR 420
Db 594 DHCDPECEHPLTGYDGGDCRLQGRCYSMNRDGLCHYECNNMLNDPDDGCCDPOYADVR 653
QY 421 KTCFDPDSPKRAYMSYKELKEALQLNSTHFLANTYFASVREDLAGAATWMDQAVTLHG 480
Db 654 KTCFDPDSPKRAYMSYKELKEALQLNSTHFLANTYFASVREDLAGAATWMDQAVTLHG 713
QY 481 GIYLSPAYYGMPEHTDTMHEVGHVGLYHVFKVSERESCNDECKEYVSMETGDLCAD 540
Db 714 GIYLSPAYYGMPEHTDTMHEVGHVGLYHVFKVSERESCNDECKEYVSMETGDLCAD 773
QY 541 TATPKSELCREPEPSDTCGFTFRCGAPRTNMTASTDDNCTNFTPNQYARHCTLDLY 600
Db 774 TATPKSELCREPEPSDTCGFTFRCGAPRTNMTASTDDNCTNFTPNQYARHCTLDLY 833
QY 601 YQOMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYVDRASGSLCAGCTEDGTFROY 660
Db 834 YQOMTESRKPTPIPIPMVIGQTNKSLTIHMLPPISGVYVDRASGSLCAGCTEDGTFROY 893
QY 661 VHTASSRRVCDSSGYWTPBEAVGPPVDQPCBPSLOQMSPEVHLYHMMNTVPCPTGCSL 720
Db 894 VHTASSRRVCDSSGYWTPBEAVGPPVDQPCBPSLOQMSPEVHLYHMMNTVPCPTGCSL 953
QY 721 ELLFQHPVQADTLTLWTFSPFMSOVLPTETILLNKESVHLGPIIDTFCDIPLTKLHY 780
Db 954 ELLFQHPVQADTLTLWTFSPFMSOVLPTETILLNKESVHLGPIIDTFCDIPLTKLHY 1013
QY 781 DGKVSQVKKYTPFERLEIDALLTSQPHSPLCGSCRPVRYQVLRDPPASGLPVVYTHSH 840
Db 1014 DGKVSQVKKYTPFERLEIDALLTSQPHSPLCGSCRPVRYQVLRDPPASGLPVVYTHSH 1073
QY 841 RKFTDVEVTPGQMYQYQVLAAGAGBELGEASPLNHIHGAPYCGDGKVSERLGECCDGL 900
Db 1074 RKFTDVEVTPGQMYQYQVLAAGAGBELGEASPLNHIHGAPYCGDGKVSERLGECCDGL 1133
QY 901 VSGDDGSKYCELEBGNVCGBEPLCTMYBGDGLCEPBERKTSYVDCGITYPKYLDQMAT 960
Db 1134 VSGDDGSKYCELEBGNVCGBEPLCTMYBGDGLCEPBERKTSYVDCGITYPKYLDQMAT 1193
QY 961 RAYSSHEDKKKCVSLVTGEPHSLICTSYHAPDLPNRPLTGMFPVCAASENETODDDBSR 1020
Db 1194 RAYSSHEDKKKCVSLVTGEPHSLICTSYHAPDLPNRPLTGMFPVCAASENETODDDBSR 1253
QY 1021 EBSLKEDEWMLVVCNRPGEARAFIFLTTDGLVGEHQOQPTVTLYLTDVRSNHSLSGT 1080
Db 1254 EBSLKEDEWMLVVCNRPGEARAFIFLTTDGLVGEHQOQPTVTLYLTDVRSNHSLSGT 1313
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QY 1081 YGSCOHNPILINWTHQNVLPFHHTSVLNTFSSPRVIGSAVALRTSSRIGLSPNSCIS 1140
Db 1314 YGSCOHNPILINWTHQNVLPFHHTSVLNTFSSPRVIGSAVALRTSSRIGLSPNSCIS 1373
QY 1141 EDEGONHOGQSCIRHPCGKODSCPSLLDLHADVYNTCSIGPGIMKCAITCORGFAIQASS 1200
Db 1374 EDEGONHOGQSCIRHPCGKODSCPSLLDLHADVYNTCSIGPGIMKCAITCORGFAIQASS 1433
QY 1201 GQYIRPMQKEIILLTSSGSHMDQVNSCLPYDCGVDPDSLVNYANFSCSGEGTKFLKCSISC 1260
Db 1434 GQYIRPMQKEIILLTSSGSHMDQVNSCLPYDCGVDPDSLVNYANFSCSGEGTKFLKCSISC 1493
QY 1261 VPPAKIQGSPMLTCLDEDGMSLPEVYCYLCECAPPIILNANLLPHCLQDNHDVGTICK 1320
Db 1494 VPPAKIQGSPMLTCLDEDGMSLPEVYCYLCECAPPIILNANLLPHCLQDNHDVGTICK 1553
QY 1321 YBCKPGYVAESAEGVARNKLLKIQCLEGGIWEQSCIPVCEBPPEVEGMECTNGFS 1380
Db 1554 YBCKPGYVAESAEGVARNKLLKIQCLEGGIWEQSCIPVCEBPPEVEGMECTNGFS 1613
QY 1381 LBSQCVLNCQNERKLPILCTYEGMLTQEPKLCENIQGECPPPSSELSVYKCEQYGI 1440
Db 1614 LBSQCVLNCQNERKLPILCTYEGMLTQEPKLCENIQGECPPPSSELSVYKCEQYGI 1673
QY 1441 GAVCSPLCVIPESDPMLEBNTADTLEHMEBPVKVOSIVCTGRBQWHPVULVHCTIOGC 1500
Db 1674 GAVCSPLCVIPESDPMLEBNTADTLEHMEBPVKVOSIVCTGRBQWHPVULVHCTIOGC 1733
QY 1501 EPPQADGMCDTINRACYHYDGGCCSSTLSSKVIIPFAADCILDCTCRDPAEENQ 1558
Db 1734 EPPQADGMCDTINRACYHYDGGCCSSTLSSKVIIPFAADCILDCTCRDPAEENQ 1791
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RESULT 2
US-09-827-998-3
; Sequence 3. Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDH09F-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmice Sequence Listing Engine
; SEQ ID NO: 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-827-998-3
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Query Match 83.6%; Score 1303; DB 3; Length 1791;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPESSNONGEGSYREAEFTNSOVGLPILYFSGRERRLLRPREVLAEIPREAFTEAVMY 60
Db 234 SPPESSNONGEGSYREAEFTNSOVGLPILYFSGRERRLLRPREVLAEIPREAFTEAVMY 293
QY 61 KPEGGONNPAIAGVFNCSHTVSDKGMALGIRSGDKGRDAFFPFLCTDRVKKATIL 120
Db 294 KPEGGONNPAIAGVFNCSHTVSDKGMALGIRSGDKGRDAFFPFLCTDRVKKATIL 353
QY 121 ISHSRYQPGTWTWVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMACSRLLLGDS 180
Db 354 ISHSRYQPGTWTWVAATYDGRHMAIYVDGTQVASSLDQSGPLNSPFMACSRLLLGDS 413
QY 181 EDGHYFRGHLGTLVFNSTALPOSHFOHSSOHSSGEEBATLVLTASREPVTENVPRDE 240
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Db      414 |EGHGYRHLGLTLVFMSTALPQSHFQHSQHSSEEBEATDVLVTASBPVNTWVPFRDE 473
Qy      241 |KYPRLLEVLOGFEPBEIISLPLOPLCGQTYCDNVNELISQYNGYWPRLRGEVYIRYQVNVIC 300
Db      474 |KYPRLLEVLOGFEPBEIISLPLOPLCGQTYCDNVNELISQYNGYWPRLRGEVYIRYQVNVIC 533
Qy      301 |DDEGLNPVISEBQIRLOHEALNEAFSRVYNISWQLSVHOVNSTLRHRVVLVNCBPSKIGN 360
Db      534 |DDEGLNPVISEBQIRLOHEALNEAFSRVYNISWQLSVHOVNSTLRHRVVLVNCBPSKIGN 593
Qy      361 |DHCDBCEHPRLTGYDGDGCRLOGRCYSNWRBDGLCHVECNMNLNDDGDCDPOVADVR 420
Db      594 |DHCDBCEHPRLTGYDGDGCRLOGRCYSNWRBDGLCHVECNMNLNDDGDCDPOVADVR 653
Qy      421 |KTCFDDSPKRAVMSYKELKEALQLNSTHPLNTYFASVREDLAGAAATPMDKDATVTHIG 480
Db      654 |KTCFDDSPKRAVMSYKELKEALQLNSTHPLNTYFASVREDLAGAAATPMDKDATVTHIG 713
Qy      481 |GIVLSPAYYGMPPGHTDTMTHEVGVTLGLYHVFKEVBERESCNDRCKEATVPSMETGDLCD 540
Db      714 |GIVLSPAYYGMPPGHTDTMTHEVGVTLGLYHVFKEVBERESCNDRCKEATVPSMETGDLCD 773
Qy      541 |TAPTRKSELCREBEPTSDTCGTRPGAPRTNMSYTDNCTDNFTPNQVARNHCYLDLY 600
Db      774 |TAPTRKSELCREBEPTSDTCGTRPGAPRTNMSYTDNCTDNFTPNQVARNHCYLDLY 833
Qy      601 |YQWMTSSRKRTPIPIPPMWIGQTNKSLTIHMLPPIGVIYDRASSGLCGACTEDGTFRRQY 660
Db      834 |YQWMTSSRKRTPIPIPPMWIGQTNKSLTIHMLPPIGVIYDRASSGLCGACTEDGTFRRQY 893
Qy      661 |VHTASSRRVCDSSGYTPEBAVGPVPVDDPCBPSLOAMSPEVILYMANNTVPCPTGCSL 720
Db      894 |VHTASSRRVCDSSGYTPEBAVGPVPVDDPCBPSLOAMSPEVILYMANNTVPCPTGCSL 953
Qy      721 |ELLFQHPVOADTLTLVWTSFFMSSQVLPDTEILLNKESVHLGPDITCDIPLITKLHV 780
Db      954 |ELLFQHPVOADTLTLVWTSFFMSSQVLPDTEILLNKESVHLGPDITCDIPLITKLHV 1013
Qy      781 |DGVSGVKKYTYTDEREIDALLTSOPHSPLCGGCPVRYQVLRDPPFASGLPVVVTTHSH 840
Db      1014 |DGVSGVKKYTYTDEREIDALLTSOPHSPLCGGCPVRYQVLRDPPFASGLPVVVTTHSH 1073
Qy      841 |RKFTDVEYTPGQWYQVLAAGGELGBASPLNTHHGA PYCGDGVSRLEGECDDGL 900
Db      1074 |RKFTDVEYTPGQWYQVLAAGGELGBASPLNTHHGA PYCGDGVSRLEGECDDGL 1133
Qy      901 |VSGDGSKYCELEBEGNCVGEBSLCYMYBGDGLCEBPERKTSIVDCGIYTPKGYLDQMAT 960
Db      1134 |VSGDGSKYCELEBEGNCVGEBSLCYMYBGDGLCEBPERKTSIVDCGIYTPKGYLDQMAT 1193
Qy      961 |RAYSSHEDKKCPVSLVTGEPHSLICTSYHPDLPHNRPLTGMPFCVASENETODDRSEOP 1020
Db      1194 |RAYSSHEDKKCPVSLVTGEPHSLICTSYHPDLPHNRPLTGMPFCVASENETODDRSEOP 1253
Qy      1021 |EBSLKKEDBVMKVCNRPGEARAFIPLTTDGLVGEHQOPVTLYLTDVGSNHSLSGT 1080
Db      1254 |EBSLKKEDBVMKVCNRPGEARAFIPLTTDGLVGEHQOPVTLYLTDVGSNHSLSGT 1313
Qy      1081 |YGLSCQHPDLINVTHQNVLPFHHTSVLNFSSPRVGISAVVALRTSRIGLSAPNSCIS 1140
Db      1314 |YGLSCQHPDLINVTHQNVLPFHHTSVLNFSSPRVGISAVVALRTSRIGLSAPNSCIS 1373
Qy      1141 |EBEGQNHQOQSCIHRCQKQDSCPSLLDHDADVNTCSIGPGLMKCAITTCORGFALQASS 1200
Db      1374 |EBEGQNHQOQSCIHRCQKQDSCPSLLDHDADVNTCSIGPGLMKCAITTCORGFALQASS 1433
Qy      1201 |GOYIRMOKEILLTSSGSHMDQNVCLPYDCGVPDLSLVNYANFSCSEKTKFLXKRSISIC 1260
Db      1434 |GOYIRMOKEILLTSSGSHMDQNVCLPYDCGVPDLSLVNYANFSCSEKTKFLXKRSISIC 1493
Qy      1261 |VBPAXLQGLSPMLTCLDEGLMSLPEVYCKLECDAPPIILNANLPLPHCLQDNHDVGTICK 1320

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Db      1494 |VBPAXLQGLSPMLTCLDEGLMSLPEVYCKLECDAPPIILNANLPLPHCLQDNHDVGTICK 1553
Qy      1321 |YECRKGYYVAESAEGVNRKLLKTIQCBEGITBEOSSCIPVCEBPPPPVREGMYECTNGS 1380
Db      1554 |YECRKGYYVAESAEGVNRKLLKTIQCBEGITBEOSSCIPVCEBPPPPVREGMYECTNGS 1613
Qy      1381 |LDSQVLANQOREKPLICTKEGLMTQBFKLCENIQCECPPPPSELNSVEYKCEQGYGI 1440
Db      1614 |LDSQVLANQOREKPLICTKEGLMTQBFKLCENIQCECPPPPSELNSVEYKCEQGYGI 1673
Qy      1441 |GAVCSPLCVIPSPDPVMLPENITADTLBHMMEPVKVQSVICTGRBQWHPVLYHICIQSC 1500
Db      1674 |GAVCSPLCVIPSPDPVMLPENITADTLBHMMEPVKVQSVICTGRBQWHPVLYHICIQSC 1733
Qy      1501 |BPFQA 1505
Db      1734 |BPFQA 1738

RESULT 3
US-10-675-685-3
; Sequence 3, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 3
; LENGTH: 1791
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-3

Query Match      83.6%; Score 1303; DB 4; Length 1791;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 |SPPESSNONGEGSYREAEFTFNSQVGLPIYFSGRRERLLRPEVLAETPREAFTVEAWY 60
Db      234 |SPPESSNONGEGSYREAEFTFNSQVGLPIYFSGRRERLLRPEVLAETPREAFTVEAWY 293
Qy      61 |KEGGOONPALIAGVFDNCSHTVSDKGWALGIRSGKDGKRDARFFPSLCTDRVKKATTL 120
Db      294 |KEGGOONPALIAGVFDNCSHTVSDKGWALGIRSGKDGKRDARFFPSLCTDRVKKATTL 353
Qy      121 |ISHSRYOQCTWTHVATYDGRHMAIYVDGTQVASSLDOSGPLNSPFMASCRSLLEGDS 180
Db      354 |ISHSRYOQCTWTHVATYDGRHMAIYVDGTQVASSLDOSGPLNSPFMASCRSLLEGDS 413
Qy      181 |EDGHYFRHLGLTLVFMSTALPQSHFQHSQHSSEEBEATDVLVTASBPVNTWVPFRDE 240
Db      414 |EDGHYFRHLGLTLVFMSTALPQSHFQHSQHSSEEBEATDVLVTASBPVNTWVPFRDE 473
Qy      241 |KYPRLLEVLOGFEPBEIISLPLOPLCGQTYCDNVNELISQYNGYWPRLRGEVYIRYQVNVIC 300
Db      474 |KYPRLLEVLOGFEPBEIISLPLOPLCGQTYCDNVNELISQYNGYWPRLRGEVYIRYQVNVIC 533
Qy      301 |DDEGLNPVISEBQIRLOHEALNEAFSRVYNISWQLSVHOVNSTLRHRVVLVNCBPSKIGN 360
Db      534 |DDEGLNPVISEBQIRLOHEALNEAFSRVYNISWQLSVHOVNSTLRHRVVLVNCBPSKIGN 593
Qy      361 |DHCDBCEHPRLTGYDGDGCRLOGRCYSNWRBDGLCHVECNMNLNDDGDCDPOVADVR 420
Db      594 |DHCDBCEHPRLTGYDGDGCRLOGRCYSNWRBDGLCHVECNMNLNDDGDCDPOVADVR 653

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QY 421 KTCFDDPSPRKAYMSYKELKEALQLNSTHFLNTYFASSVREDLAGATWPMKDAVTHLG 480  
DB 654 KTCFDDPSPRKAYMSYKELKEALQLNSTHFLNTYFASSVREDLAGATWPMKDAVTHLG 713  
QY 481 GIVLSPAYYGMGHTDTMHEVGHVGLYHVFKGVSRERSCNDPCKETVPSMETGDLCAD 540  
DB 714 GIVLSPAYYGMGHTDTMHEVGHVGLYHVFKGVSRERSCNDPCKETVPSMETGDLCAD 773  
QY 541 TATPYSELCREBEPSTDCGFTTRPGAPFTNTSYTDNCTNFTPNQVARNHCYLDLV 600  
DB 774 TATPYSELCREBEPSTDCGFTTRPGAPFTNTSYTDNCTNFTPNQVARNHCYLDLV 833  
QY 601 YQWMTSRKPTPLIPPMVIGQTNKSLTIHMLPISGVVDRASGSLCGACTEDGTFRRQY 660  
DB 834 YQWMTSRKPTPLIPPMVIGQTNKSLTIHMLPISGVVDRASGSLCGACTEDGTFRRQY 893  
QY 661 VHTASSRRVCDSSGYMTPEBAVGPDPVDCPCEPSLQAMSPEVHLVHMNTVPCPTGCSL 720  
DB 894 VHTASSRRVCDSSGYMTPEBAVGPDPVDCPCEPSLQAMSPEVHLVHMNTVPCPTGCSL 953  
QY 721 ELIFQHPVQADTLTLWTSFPMESSQVLPDTEILLEKESVHLGPDTCFCDIPITIKLHV 780  
DB 954 ELIFQHPVQADTLTLWTSFPMESSQVLPDTEILLEKESVHLGPDTCFCDIPITIKLHV 1013  
QY 781 DGRVSGVKTTPRBERIEIDALLTSQPHSLCGSCRPVRYQVLRDPPFASGLVYVYTHSH 840  
DB 1014 DGRVSGVKTTPRBERIEIDALLTSQPHSLCGSCRPVRYQVLRDPPFASGLVYVYTHSH 1073  
QY 841 RKRTDVETVPGQMYQVOLAAGELGEASPLNHIHGARYCGDGKYSSELGEECDGDL 900  
DB 1074 RKRTDVETVPGQMYQVOLAAGELGEASPLNHIHGARYCGDGKYSSELGEECDGDL 1133  
QY 901 VSGDGSCKVCELEBEGFNCVGPESLICYMEBGDGI CEPPERKTSIVDCGIYTPKGYLDQWAT 960  
DB 1134 VSGDGSCKVCELEBEGFNCVGPESLICYMEBGDGI CEPPERKTSIVDCGIYTPKGYLDQWAT 1193  
QY 961 RAYSHHEDKKKCVSLVTERPHSLICTSYHPLPNHRPLTGMFPVCASENETODDSSEOP 1020  
DB 1194 RAYSHHEDKKKCVSLVTERPHSLICTSYHPLPNHRPLTGMFPVCASENETODDSSEOP 1253  
QY 1021 EBSLKEDEVMKLVCFNRPEARAFIFLTDTGIVGEHQOPTVTLTYLTVRGSNSLGT 1080  
DB 1254 EBSLKEDEVMKLVCFNRPEARAFIFLTDTGIVGEHQOPTVTLTYLTVRGSNSLGT 1313  
QY 1081 YGJSCOHNPLIINVTHQNVLFHHTTSVZLNFSFPRVGISAVALKRTSRIGLSAPNSCIS 1140  
DB 1314 YGJSCOHNPLIINVTHQNVLFHHTTSVZLNFSFPRVGISAVALKRTSRIGLSAPNSCIS 1373  
QY 1141 EDEGQNHQOGSCIHRPCGKODSCPSLLDHDADVNTCSIGRGLMKCAITTCORGFALQASS 1200  
DB 1374 EDEGQNHQOGSCIHRPCGKODSCPSLLDHDADVNTCSIGRGLMKCAITTCORGFALQASS 1433  
QY 1201 GQYIRMOKEILLTSSGHMDQNVSCLPVDCGVPDSLVNYANFSSSEGKFKRCSISIC 1260  
DB 1434 GQYIRMOKEILLTSSGHMDQNVSCLPVDCGVPDSLVNYANFSSSEGKFKRCSISIC 1493  
QY 1261 VPPAKIQLSPMLTCEDEGLMSLPEVYCKLECDAPPIINANLILPHCLODNDHVTIC 1320  
DB 1494 VPPAKIQLSPMLTCEDEGLMSLPEVYCKLECDAPPIINANLILPHCLODNDHVTIC 1553  
QY 1321 YEKCPGYVAESAEGKVRNKLKIOCEBGIWEGSCIPVCEPPPVFEGMECTNGS 1380  
DB 1554 YEKCPGYVAESAEGKVRNKLKIOCEBGIWEGSCIPVCEPPPVFEGMECTNGS 1613  
QY 1381 LBSQCVLNCQREBKPLICTKRGIMTQEFKLCENIOGBCRPPESELNSVEYCEGQYGI 1440  
DB 1614 LBSQCVLNCQREBKPLICTKRGIMTQEFKLCENIOGBCRPPESELNSVEYCEGQYGI 1673  
QY 1441 GAVCSPLCVLPSPDPVMLPENITADTLEHMEPVKYOSIVCTGRQWHPRLVHLICIQSC 1500  
DB 1674 GAVCSPLCVLPSPDPVMLPENITADTLEHMEPVKYOSIVCTGRQWHPRLVHLICIQSC 1733

QY 1501 EPPQA 1505  
DB 1734 EPPQA 1738

RESULT 4  
US-09-827-998-10  
; Sequence 10. Application US/09827998  
; Patent No. US20020102252A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDH0RF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-827-998-10

Query Match 83.4%; Score 1299; DB 3; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPESSNONGEGSYREAEFTENSQVGLPILYSGRRERLLRBEVLAIEIPREAFTEAWY 60  
DB 234 SPPESSNONGEGSYREAEFTENSQVGLPILYSGRRERLLRBEVLAIEIPREAFTEAWY 293  
QY 61 KPEGGONNPALLAGVDFNCSHTVSDKGMALGIRSGDKKRDARFFSLCTDVKKATLL 120  
DB 294 KPEGGONNPALLAGVDFNCSHTVSDKGMALGIRSGDKKRDARFFSLCTDVKKATLL 353  
QY 121 ISHSRYQPTWTHVATVYDGRHMLVYDGTQVASSLSDGSLNPPMASCRSLILGDDS 180  
DB 354 ISHSRYQPTWTHVATVYDGRHMLVYDGTQVASSLSDGSLNPPMASCRSLILGDDS 413  
QY 414 EDGHYRGLGTLVFWSTALPOSHFQSSQSSGEEEAATDVLTLASFEPTNTWVFPDR 473  
DB 241 KYPRLEVLQGFEPERITLPLQPLCGQVYCNVELISQYNGWPLRGEKVIYRYQVNTIC 300  
QY 474 KYPRLEVLQGFEPERITLPLQPLCGQVYCNVELISQYNGWPLRGEKVIYRYQVNTIC 533  
QY 301 DDEGLNPVISEBQIRLQHEALNEAFSRVNIISWQLSVHQVNSTLRHVVLVNCEPSKIGN 360  
DB 534 DDEGLNPVISEBQIRLQHEALNEAFSRVNIISWQLSVHQVNSTLRHVVLVNCEPSKIGN 593  
QY 361 DHCDPECEHPLTYDGDGDRLOGRCYSMNRBDGLCHVECNMMLNDPDDGCDPOVADVR 420  
DB 594 DHCDPECEHPLTYDGDGDRLOGRCYSMNRBDGLCHVECNMMLNDPDDGCDPOVADVR 653  
QY 421 KTCFDDPSPRKAYMSYKELKEALQLNSTHFLNTYFASSVREDLAGATWPMKDAVTHLG 480  
DB 654 KTCFDDPSPRKAYMSYKELKEALQLNSTHFLNTYFASSVREDLAGATWPMKDAVTHLG 713  
QY 481 GIVLSPAYYGMGHTDTMHEVGHVGLYHVFKGVSRERSCNDPCKETVPSMETGDLCAD 540  
DB 714 GIVLSPAYYGMGHTDTMHEVGHVGLYHVFKGVSRERSCNDPCKETVPSMETGDLCAD 773  
QY 541 TATPYSELCREBEPSTDCGFTTRPGAPFTNTSYTDNCTNFTPNQVARNHCYLDLV 600  
DB 774 TATPYSELCREBEPSTDCGFTTRPGAPFTNTSYTDNCTNFTPNQVARNHCYLDLV 833  
QY 601 YQWMTSRKPTPLIPPMVIGQTNKSLTIHMLPISGVVDRASGSLCGACTEDGTFRRQY 660

Db 834 YQWMTESRKPTPIPIPPMWIGQTNKSLTIHMLPPISGVYVDRASGSLGACGTEDGTFRQY 893  
QY 661 VHTASSRRVCDSSGWTPEBAVGPDPVDPCEPSIQAMSPEVHLVHMNTVPCPTEGCSL 720  
Db 894 VHTASSRRVCDSSGWTPEBAVGPDPVDPCEPSIQAMSPEVHLVHMNTVPCPTEGCSL 953  
QY 721 ELLFQHPVQADTLTLMVTSFFMSSQVLPDTEILLNKSSVHLGPIUDTCDIPLTIKLV 780  
Db 954 ELLFQHPVQADTLTLMVTSFFMSSQVLPDTEILLNKSSVHLGPIUDTCDIPLTIKLV 1013  
QY 781 DGVSGVKKYTFDERIEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGLPVVVTSH 840  
Db 1014 DGVSGVKKYTFDERIEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGLPVVVTSH 1073  
QY 841 RKFTEVETPGQMYQYQVLAEGAGELGEASPLNHIHGAPCYCDGKVSERLGECDGDL 900  
Db 1074 RKFTEVETPGQMYQYQVLAEGAGELGEASPLNHIHGAPCYCDGKVSERLGECDGDL 1133  
QY 901 VSGDGSKVCLEEGFNCVGPBPLCYMBGDGICEFERKTSIVDCGIYTPKGYLDQMAN 960  
Db 1134 VSGDGSKVCLEEGFNCVGPBPLCYMBGDGICEFERKTSIVDCGIYTPKGYLDQMAN 1193  
QY 961 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPLPNHRPLTGMFPVASENETODDRSEOP 1020  
Db 1194 RAYSSHEDKKKCPVSLVTGEPHSLICTSYHPLPNHRPLTGMFPVASENETODDRSEOP 1253  
QY 1021 BSLKKEDBVMLKVCNRRPGEARAITFLTGGVGEHQOQPTVLYLTDVRSNHSLSCT 1080  
Db 1254 BSLKKEDBVMLKVCNRRPGEARAITFLTGGVGEHQOQPTVLYLTDVRSNHSLSCT 1313  
QY 1081 YGLSCQHNPLINVTNHNVLPHHTSVLNFSSPVGISAVVALRTSSRIGLSAPNSCT 1140  
Db 1314 YGLSCQHNPLINVTNHNVLPHHTSVLNFSSPVGISAVVALRTSSRIGLSAPNSCT 1373  
QY 1141 EDEGQNHQOSCIHRPCGKQDSCPSILLDHADVNTSISGPIMKCAITCQGFALQAS 1200  
Db 1374 EDEGQNHQOSCIHRPCGKQDSCPSILLDHADVNTSISGPIMKCAITCQGFALQAS 1433  
QY 1201 GQYIRPMQKEILLTCSSGHMDQNSCLPYDCGVPDPLVNVANFSCSEGTGKFLKRCISIC 1260  
Db 1434 GQYIRPMQKEILLTCSSGHMDQNSCLPYDCGVPDPLVNVANFSCSEGTGKFLKRCISIC 1493  
QY 1261 VBPAPKQGISPMWLTCLDEGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVTTICK 1320  
Db 1494 VBPAPKQGISPMWLTCLDEGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHADVTTICK 1553  
QY 1321 YECKPGYVAAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPPEPVEGMECTNGFS 1380  
Db 1554 YECKPGYVAAESAEGKVRNKLKIQCLEGGIWEQSGCIPVCEPPEPVEGMECTNGFS 1613  
QY 1381 LDSQCVLANQBERKPLILCTKEGLMTQEPKLCENIQGECPPPSSELNSVEYKCEQGYCI 1440  
Db 1614 LDSQCVLANQBERKPLILCTKEGLMTQEPKLCENIQGECPPPSSELNSVEYKCEQGYCI 1673  
QY 1441 GAVCSPLCTIIPSDPMLPENITADTLEHMMEPVKQSIYCTGRQWHPDPLVHICIQSC 1500  
Db 1674 GAVCSPLCTIIPSDPMLPENITADTLEHMMEPVKQSIYCTGRQWHPDPLVHICIQSC 1733  
QY 1501 E 1501  
Db 1734 E 1734

RESULT 5  
US-10-675-685-10  
; Sequence 10, Application US/10675685  
; Publication No. US20040063134A1  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PRGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: PB0114

; CURRENT APPLICATION NUMBER: US/10/675,685  
; CURRENT FILING DATE: 2003-09-30  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-675-685-10

Query Match 83.4%; Score 1299; DB 4; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 SPPESSNONGSGSREAEATFNQGLPILVPSGRERLLRPEVLAETIPREAFTVEAMV 60  
Db 234 SPPESSNONGSGSREAEATFNQGLPILVPSGRERLLRPEVLAETIPREAFTVEAMV 293  
QY 61 KPEGQONNPATIAGVFDCNSHTVSDKGNALGISGKDKGKRDARFPFSLCTDVRKATLL 120  
Db 294 KPEGQONNPATIAGVFDCNSHTVSDKGNALGISGKDKGKRDARFPFSLCTDVRKATLL 353  
QY 121 IHSRYQEGTWHVAATYDGRMALVYDGTQVASSLDOSGPLNSPFMASCRSLLLGDS 180  
Db 354 IHSRYQEGTWHVAATYDGRMALVYDGTQVASSLDOSGPLNSPFMASCRSLLLGDS 413  
QY 181 EDGHYFRGHLGTLVWSTALPQSHFOHSSQHSGBEATDVLITASFEFVNTIEWYFRDE 240  
Db 414 EDGHYFRGHLGTLVWSTALPQSHFOHSSQHSGBEATDVLITASFEFVNTIEWYFRDE 473  
QY 241 KYPRLEVLQGFEBEELISPLQPLCGQTVCDNVELISQYNGWPLRGEKVIROYVNIC 300  
Db 474 KYPRLEVLQGFEBEELISPLQPLCGQTVCDNVELISQYNGWPLRGEKVIROYVNIC 533  
QY 301 DDEGANPIVSEQITLQHEALNEAFSRNYSIQWLSVHOVHNSTLHRRVLYNCEPSKIGN 360  
Db 534 DDEGANPIVSEQITLQHEALNEAFSRNYSIQWLSVHOVHNSTLHRRVLYNCEPSKIGN 593  
QY 361 DHCDECEHPILTYGGGDCRLOGRCYSWNRDRGLCHVECNMNLNFDODCCDPOVADVR 420  
Db 594 DHCDECEHPILTYGGGDCRLOGRCYSWNRDRGLCHVECNMNLNFDODCCDPOVADVR 653  
QY 421 KTCFDPDSEPKARYMSVKELKEALQUNSTHPLNIYFASSVREDLAQAATWPMDKAVTHLG 480  
Db 654 KTCFDPDSEPKARYMSVKELKEALQUNSTHPLNIYFASSVREDLAQAATWPMDKAVTHLG 713  
QY 481 GIVLSPAYYGMGHDTMIHEVGHVGLYHVPKGVSEBESCNDPCKEYVPSMETGDLCD 540  
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QY 541 TAPTKSELCREBEPTSDTCGTFRPGAPFTNYMSYTDNCDNCTPNOVAMHCYLDLV 600  
Db 774 TAPTKSELCREBEPTSDTCGTFRPGAPFTNYMSYTDNCDNCTPNOVAMHCYLDLV 833  
QY 601 YQWMTESRKPTPIPIPPMWIGQTNKSLTIHMLPPISGVYVDRASGSLGACGTEDGTFRQY 660  
Db 834 YQWMTESRKPTPIPIPPMWIGQTNKSLTIHMLPPISGVYVDRASGSLGACGTEDGTFRQY 893  
QY 661 VHTASSRRVCDSSGWTPEBAVGPDPVDPCEPSIQAMSPEVHLVHMNTVPCPTEGCSL 720  
Db 894 VHTASSRRVCDSSGWTPEBAVGPDPVDPCEPSIQAMSPEVHLVHMNTVPCPTEGCSL 953  
QY 721 ELLFQHPVQADTLTLMVTSFFMSSQVLPDTEILLNKSSVHLGPIUDTCDIPLTIKLV 780  
Db 954 ELLFQHPVQADTLTLMVTSFFMSSQVLPDTEILLNKSSVHLGPIUDTCDIPLTIKLV 1013  
QY 781 DGVSGVKKYTFDERIEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGLPVVVTSH 840  
Db 1014 DGVSGVKKYTFDERIEIDAALLTSQPHSLCSGCRPVYQVLRDPPFASGLPVVVTSH 1073

QY 841 RKFTDVEVTGOMYQYUVAEAGELGEASPLNHHIGAPYCGDKYSBRLGEECDGDL 900  
DB 1074 RKFTDVEVTGOMYQYUVAEAGELGEASPLNHHIGAPYCGDKYSBRLGEECDGDL 1133  
QY 901 VSGDSCXKVCLEBEGFNCVGEPSLCYMEBGDICEPERKTSIVDCGIYTPKGYLDOMAT 960  
DB 1134 VSGDSCXKVCLEBEGFNCVGEPSLCYMEBGDICEPERKTSIVDCGIYTPKGYLDOMAT 1193  
QY 961 RAYSHEHDKKCPVSLVTGEPHSLICTSYHDPDLPHNRPGLGWPVCASENETOODNSEOP 1020  
DB 1194 RAYSHEHDKKCPVSLVTGEPHSLICTSYHDPDLPHNRPGLGWPVCASENETOODNSEOP 1253  
QY 1021 EGSLLKEDVWMLKVCENRPGEBARAFIFLTDTGLVPGEHQOPTVLTLTVDVRSNHSIGT 1080  
DB 1254 EGSLLKEDVWMLKVCENRPGEBARAFIFLTDTGLVPGEHQOPTVLTLTVDVRSNHSIGT 1313  
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DB 1314 YGLSCQHNPILLINVTTHQNVLFPHHTSVLNFSSPRVGISAVALLRTSSRIQLSAPNSCIS 1373  
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DB 1374 EDSGQNHQGSCHIRPCGKODSCPSLLDHADVNCSTISGRLMKCAITTCQGFALQASS 1433  
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QY 1321 YEKCPGYVAESAEGKVRNKLKIQCLEGGIMEQSCIPVYCEPPPEVFEGMTCTNGFS 1380  
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QY 1381 LBSQCVLNCQBERKPIILCTKEGLMTQEFKLCENIQGECPPPSSELSVYKCEQGYCI 1440  
DB 1614 LBSQCVLNCQBERKPIILCTKEGLMTQEFKLCENIQGECPPPSSELSVYKCEQGYCI 1673  
QY 1441 GAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQRMHPDVLVHICIOSC 1500  
DB 1674 GAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQRMHPDVLVHICIOSC 1733  
QY 1501 E 1501  
DB 1734 E 1734

RESULT 6  
US-09-827-998-16  
Sequence 16, Application US/09827998  
Patent No. US20020102252A1  
GENERAL INFORMATION:  
APPLICANT: Gui Yizhong  
APPLICANT: Shannon, Mark  
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
FILE REFERENCE: MDH0RF-8  
CURRENT APPLICATION NUMBER: US/09/827,998  
PRIOR FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
NUMBER OF SEQ ID NOS: 1881  
SOFTWARE: Aecomica Sequence Listing Engine  
SEQ ID NO 16  
LENGTH: 1385  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-827-998-16

Query Match 36.84; Score 574; DB 3; Length 1385;  
Best Local Similarity 99.54; Pred. No. 0;  
Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
QY 480 GGIVLSPAYYGMGHTDTMHEVGHVGLYHVKGVSEBRSNDPCKETVPSMETGDLCA 539  
DB 307 GGIVLSPAYYGMGHTDTMHEVGHVGLYHVKGVSEBRSNDPCKETVPSMETGDLCA 366  
QY 540 DTAPTKSELGREPEPSTDCGTRFPAGPFTYMSYTTDNCNTDFTPNQVAMHICYLDL 599  
DB 367 DTAPTKSELGREPEPSTDCGTRFPAGPFTYMSYTTDNCNTDFTPNQVAMHICYLDL 426  
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DB 427 VYQOMTESRKPTPIPIPMVIGQTNKSLTIHMLPISGVYDASGLGACATEDGTFRQ 486  
QY 660 YVHTASSRRVCDSSGWTBEAEAGPPDVOPCEPSIQAMSPEVHLYHMMNTVCPTEGCS 719  
DB 487 YVHTASSRRVCDSSGWTBEAEAGPPDVOPCEPSIQAMSPEVHLYHMMNTVCPTEGCS 546  
QY 720 LELLFQHPVQADTLTLMWTSFWMESQVLFDEILLENKESVHLGFLDTFCDIPLTIKHL 779  
DB 547 LELLFQHPVQADTLTLMWTSFWMESQVLFDEILLENKESVHLGFLDTFCDIPLTIKHL 606  
QY 780 VDGKVSQVYTFDERIEIDALLTSOPHSPLCSGGRPVRYOVLDPFPASGLPVVYTHS 839  
DB 607 VDGKVSQVYTFDERIEIDALLTSOPHSPLCSGGRPVRYOVLDPFPASGLPVVYTHS 666  
QY 840 HRKFTDVEVTGOMYQYUVAEAGELGEASPLNHHIGAPYCGDKVSEBRLGEECDGDL 899  
DB 667 HRKFTDVEVTGOMYQYUVAEAGELGEASPLNHHIGAPYCGDKVSEBRLGEECDGDL 726  
QY 900 LVSGDCSXKVCLEBEGFNCVGEPSLCYMEBGDICEPERKTSIVDCGIYTPKGYLDQMA 959  
DB 727 LVSGDCSXKVCLEBEGFNCVGEPSLCYMEBGDICEPERKTSIVDCGIYTPKGYLDQMA 786  
QY 960 TRAYSHEHDKKCPVSLVTGEPHSLICTSYHDPDLPHNRPGLGWPVCASENETOODNSEO 1019  
DB 787 TRAYSHEHDKKCPVSLVTGEPHSLICTSYHDPDLPHNRPGLGWPVCASENETOODNSEO 846  
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QY 1080 TYGLSCQHNPILLINVTTHQNVLFPHHTSVLNFSSPRVGISAVALLRTSSRIQLSAPNSCIS 1139  
DB 907 TYGLSCQHNPILLINVTTHQNVLFPHHTSVLNFSSPRVGISAVALLRTSSRIQLSAPNSCIS 966  
QY 1140 SEDDEGNHOGSCHIRPCGKODSCPSLLDHADVNCSTISGRLMKCAITTCQGFALQASS 1199  
DB 967 SEDDEGNHOGSCHIRPCGKODSCPSLLDHADVNCSTISGRLMKCAITTCQGFALQASS 1026  
QY 1200 SCQYIRPMQKEILLTCSGSHMDONVSCLPVDCGVPDPSLVNYPANFSCSEGTFLKRCSTISC 1259  
DB 1027 SCQYIRPMQKEILLTCSGSHMDONVSCLPVDCGVPDPSLVNYPANFSCSEGTFLKRCSTISC 1086  
QY 1260 CVPAPKUGSLPWLCTLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1319  
DB 1087 CVPAPKUGSLPWLCTLEDGLMSLPEVYCKLECDAPRIILNANLLPHCLQDNHDVGTICK 1146  
QY 1320 KYECKRGGYVAESAEGKVRNKLKIQCLEGGIMEQSCIPVYCEPPPEVFEGMTCTNGF 1379  
DB 1147 KYECKRGGYVAESAEGKVRNKLKIQCLEGGIMEQSCIPVYCEPPPEVFEGMTCTNGF 1206  
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QY 1440 IGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQRMHPDVLVHICIOSC 1499  
DB 1267 IGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQRMHPDVLVHICIOSC 1326  
QY 1500 CEPFQADGWCDTIINNRATYCHYDGGCCSSTLSSKVIIPPAADCDDECTCRDPKABENO 1558



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Db      1327 CEFQADGWCMTINNRAYCHYDGGDCSSSTLSSKXVIFPAADCDLDECTCRDPKAEHQ 1385
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RESULT 7
US-10-675-685-16
; Sequence 16, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecmica Sequence Listing Engine
; SEQ ID NO 16
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-675-685-16

Query Match      36.8%; Score 574; DB 4; Length 1385;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      480 GGIVLSPAYYGMPTDTMIHEVGVILGYHVFKGVSSEESCNDPCKETVPSMETGDLCA 539
Db      307 GGIVLSPAYYGMPTDTMIHEVGVILGYHVFKGVSSEESCNDPCKETVPSMETGDLCA 366
QY      540 DTAPTPKSELCREPEPTSDTCGFTRPAGAFNTYMSYTDNCTDNFTPNQVARMHCYLDL 599
Db      367 DTAPTPKSELCREPEPTSDTCGFTRPAGAFNTYMSYTDNCTDNFTPNQVARMHCYLDL 426
QY      600 VYQOMTESKRPPIPIPPMVIQGTNKSLLTIHMLPRISGVYVYRASGLSCAGCTEDGTFRQ 659
Db      427 VYQOMTESKRPPIPIPPMVIQGTNKSLLTIHMLPRISGVYVYRASGLSCAGCTEDGTFRQ 486
QY      660 YHTASSRVCSSGSGWTPEBAAGPDPVOPCEPSIQAMSPVHLVHMNTVPCPTEGGS 719
Db      487 YHTASSRVCSSGSGWTPEBAAGPDPVOPCEPSIQAMSPVHLVHMNTVPCPTEGGS 546
QY      720 LELLFQHPVQADTLTLMTVSFPMSSQVLFTEILLNKESVHLGDLTFCDIPLTIKHL 779
Db      547 LELLFQHPVQADTLTLMTVSFPMSSQVLFTEILLNKESVHLGDLTFCDIPLTIKHL 606
QY      780 VDGKVSQVYVTFDERIEIDALLTSQHPSPICSGGRPVRYOLRPPASGLPVVVTIS 839
Db      607 VDGKVSQVYVTFDERIEIDALLTSQHPSPICSGGRPVRYOLRPPASGLPVVVTIS 666
QY      840 HRFKFTDVEYTPGOMYQOVLAEAGELGEASPPILNIHGAPYCGDQKVEERLGEEDCDPD 899
Db      667 HRFKFTDVEYTPGOMYQOVLAEAGELGEASPPILNIHGAPYCGDQKVEERLGEEDCDPD 726
QY      900 LVSQDGSRYCELBEGFNCVGEBSLCYMEBGDGI CEFPERKTSIVDCGIYTPKGYLDQMA 959
Db      727 LVSQDGSRYCELBEGFNCVGEBSLCYMEBGDGI CEFPERKTSIVDCGIYTPKGYLDQMA 786
QY      960 TRAYSHHEKDKCPVSLVTGEPHSLICTSYHPLPMHRLPTGMPFCVASENETQDQRSQ 1019
Db      787 TRAYSHHEKDKCPVSLVTGEPHSLICTSYHPLPMHRLPTGMPFCVASENETQDQRSQ 846
QY      1020 PEGSLKKEDEBWLKVFENRPGEARAIFILTTDGLVGEHQOFTVTLVLTDRGSHSG 1079
Db      847 PEGSLKKEDEBWLKVFENRPGEARAIFILTTDGLVGEHQOFTVTLVLTDRGSHSG 906
QY      1080 TVGLSCQHNPLIINTVTHQNVLFHRTTSVLNFSRPGVISAVALRTSSRIGLSAPSNCI 1139
|||||
```

```
Db      907 TVGLSCQHNPLIINTVTHQNVLFHRTTSVLNFSRPGVISAVALRTSSRIGLSAPSNCI 966
QY      1140 SEDBQONOGSCCHRPCKODSCPSLLLDHADVNCISIGGLMKCAITTCORGALQAS 1199
Db      967 SEDBQONOGSCCHRPCKODSCPSLLLDHADVNCISIGGLMKCAITTCORGALQAS 1026
QY      1200 SQQYIRPMQKEILLTCSSGHWONVSCLPVDCGVDPDSLVMYANFSCSEGTFLRCSSIS 1259
Db      1027 SQQYIRPMQKEILLTCSSGHWONVSCLPVDCGVDPDSLVMYANFSCSEGTFLRCSSIS 1086
QY      1260 CVPBAKLOGLSPWLTCLBEGDWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTYC 1319
Db      1087 CVPBAKLOGLSPWLTCLBEGDWSLPEVYCKLECDAPPIILNANLLPHCLQDNHVDGTYC 1146
QY      1320 KYECKPQYVVAASAGKRNKLLKTCLEGGIWEQSGCIPVCEPPPPPEBMEYCTNGF 1379
Db      1147 KYECKPQYVVAASAGKRNKLLKTCLEGGIWEQSGCIPVCEPPPPPEBMEYCTNGF 1206
QY      1380 SLDSQCVLNCQERREKLPICTKEGLMTQEFKLCENLOGECPPPPSSELSVEYKCEQGYG 1439
Db      1207 SLDSQCVLNCQERREKLPICTKEGLMTQEFKLCENLOGECPPPPSSELSVEYKCEQGYG 1266
QY      1440 IGAVCSPLCVIPSPDPMLENTTADTLEHNMPEVKQSIYCTGRQHPDPVLVHCIOG 1499
Db      1267 IGAVCSPLCVIPSPDPMLENTTADTLEHNMPEVKQSIYCTGRQHPDPVLVHCIOG 1326
QY      1500 CEFQADGWCMTINNRAYCHYDGGDCSSSTLSSKXVIFPAADCDLDECTCRDPKAEHQ 1558
Db      1327 CEFQADGWCMTINNRAYCHYDGGDCSSSTLSSKXVIFPAADCDLDECTCRDPKAEHQ 1385

RESULT 8
US-09-864-761-34265
; Sequence 34265, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME- DERIVED EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
```



Query Match	12.3%;	Score 192;	DB 3;	Length 192;
Best Local Similarity	100.0%;	Pred. No. 1.2e-180;		
Matches 192;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

```

RESULT 9
US-09-864--761.34264
; Sequence 34264, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04

```

```
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34264
```

Query Match 4.58; Score 70; DB 3; Length 70;

```
QY 75 VFDCNSHIVSDKMGALGIRSGKDGKRDARFFFSFLCTDRYKATILISHSRYPQGTWTHV 134
|||||
Db 1 VFDCNSHIVSDKMGALGIRSGKDGKRDARFFFSFLCTDRYKATILISHSRYPQGTWTHV 60
```

Db 61 AATYDGRHMA 70

```

RESULT 10
US-09-864-761-34262
; Sequence 34262, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

```

```
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
/ FILE REFERENCE: Aecomica-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 34262
/ LENGTH: 63
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AL031734.9
/ OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.87
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 74
/ OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.84
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.82
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.9
/ OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.89
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.79
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1
/ OTHER INFORMATION: EST_HUMAN HIT: A1075970.1, EVALUOE 7.00e-03
/ US-09-864-761-34262

Query Match
Best Local Similarity 4.0%; Score 63; DB 3; Length 63;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 GGGSYREATFNSQVGLPIIFYSGRRERLLRBEVLAEIPREAFVTEAWYKPGGONPA 70
DB 1 GGGSYREATFNSQVGLPIIFYSGRRERLLRBEVLAEIPREAFVTEAWYKPGGONPA 60
QY 71 IIA 73
DB 61 IIA 63
```

```
RESULT 11
US-10-741-600-1402
/ Sequence 1402, Application US/10741600
/ Publication No. US20050026169A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: C1001499
/ CURRENT APPLICATION NUMBER: US/10/741,600
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ ID NOS: 73997
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1402
/ LENGTH: 704
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-741-600-1402

Query Match
Best Local Similarity 1.2%; Score 18; DB 5; Length 704;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGXYLDLVYQ 602
DB 440 FTPNOVARMHGXYLDLVYQ 457

RESULT 12
US-10-334-143-85
/ Sequence 85, Application US/10334143
/ Publication No. US20040009549A1
/ GENERAL INFORMATION:
/ APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
/ APPLICANT: SUDARSANAM, SUCHA
/ TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
/ FILE REFERENCE: 038602/1543
/ CURRENT APPLICATION NUMBER: US/10/334,143
/ CURRENT FILING DATE: 2002-12-31
/ PRIOR APPLICATION NUMBER: 60/343,169
/ PRIOR FILING DATE: 2001-12-31
/ NUMBER OF SEQ ID NOS: 207
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 85
/ LENGTH: 858
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-334-143-85

Query Match
Best Local Similarity 1.2%; Score 18; DB 4; Length 858;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 FTPNOVARMHGXYLDLVYQ 602
DB 594 FTPNOVARMHGXYLDLVYQ 611

RESULT 13
US-10-741-600-1404
/ Sequence 1404, Application US/10741600
/ Publication No. US20050026169A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: C1001499
/ CURRENT APPLICATION NUMBER: US/10/741,600
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ ID NOS: 73997
/ SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 1404
; LENGTH: 1232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1404
```

```
Query Match          1.2%; Score 18; DB 5; Length 1232;
Best Local Similarity 100.0%; Pred. No. 7.7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLTVYQ 602
      |||
Db      440 FTBNQVARMHCYIDLTVYQ 457
```

```
RESULT 14
US-10-741-600-1403
; Sequence 1403, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
```

```
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1403
; LENGTH: 1420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1403
```

```
Query Match          1.2%; Score 18; DB 5; Length 1420;
Best Local Similarity 100.0%; Pred. No. 8.8e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLTVYQ 602
      |||
Db      440 FTBNQVARMHCYIDLTVYQ 457
```

## RESULT 15

```
US-10-741-600-1405
; Sequence 1405, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1405
; LENGTH: 1420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-1405
```

```
Query Match          1.2%; Score 18; DB 5; Length 1420;
Best Local Similarity 100.0%; Pred. No. 8.8e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLTVYQ 602
      |||
Db      440 FTBNQVARMHCYIDLTVYQ 457
```

```
RESULT 16
US-10-783-311-2
```

```
; Sequence 2, Application US/10783311
; Publication No. US20050009136A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Nixon, Andrew
; APPLICANT: Hogan, Shannon
; TITLE OF INVENTION: PAPP-A LIGANDS
; FILE REFERENCE: 10280-059001
; CURRENT APPLICATION NUMBER: US/10/783,311
; CURRENT FILING DATE: 2004-02-19
; PRIOR APPLICATION NUMBER: US 60/448,515
; PRIOR FILING DATE: 2003-02-19
; NUMBER OF SEQ ID NOS: 394
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-783-311-2
```

```
Query Match          1.2%; Score 18; DB 5; Length 1547;
Best Local Similarity 100.0%; Pred. No. 9.5e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLTVYQ 602
      |||
Db      567 FTBNQVARMHCYIDLTVYQ 584
```

## RESULT 17

```
US-09-983-025-25
; Sequence 25, Application US/09983025
; Publication No. US20030124529A1
; GENERAL INFORMATION:
; APPLICANT: OXVIG, Claus
; APPLICANT: OVERGAARD, Michael T.
; TITLE OF INVENTION: PREGNANCY-ASSOCIATED PLASMA PROTEIN-A2 (PAPP-A2)
; FILE REFERENCE: OXVIG-1A
; CURRENT APPLICATION NUMBER: US/09/983,025
; CURRENT FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/241,840
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: DK PA 2000 01571
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-025-25
```

```
Query Match          1.2%; Score 18; DB 3; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLTVYQ 602
      |||
Db      647 FTBNQVARMHCYIDLTVYQ 664
```

## RESULT 18

```
US-10-295-027-663
; Sequence 663, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natsaba
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevez, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
```

```
/ APPLICANT: Watson, Susan R.
/ APPLICANT: Eos Biotechnology, Inc.
/ TITLE OF INVENTION: Methods of diagnosis of Cancer, Compositions and
/ TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
/ FILE REFERENCE: 018501-012500US
/ CURRENT APPLICATION NUMBER: US/10/295,027
/ PRIOR FILING DATE: 2002-11-13
/ PRIOR APPLICATION NUMBER: US 09/663,733
/ PRIOR FILING DATE: 2000-09-15
/ PRIOR APPLICATION NUMBER: US 60/350,666
/ PRIOR FILING DATE: 2001-11-13
/ PRIOR APPLICATION NUMBER: US 60/335,394
/ PRIOR FILING DATE: 2001-11-15
/ PRIOR APPLICATION NUMBER: US 60/332,464
/ PRIOR FILING DATE: 2001-11-21
/ PRIOR APPLICATION NUMBER: US 60/334,393
/ PRIOR FILING DATE: 2001-11-29
/ PRIOR APPLICATION NUMBER: US 60/340,376
/ PRIOR FILING DATE: 2001-12-14
/ PRIOR APPLICATION NUMBER: US 60/347,211
/ PRIOR FILING DATE: 2002-01-08
/ PRIOR APPLICATION NUMBER: US 60/347,349
/ PRIOR FILING DATE: 2002-01-10
/ PRIOR APPLICATION NUMBER: US 60/355,250
/ PRIOR FILING DATE: 2002-02-08
/ PRIOR APPLICATION NUMBER: US 60/356,714
/ PRIOR FILING DATE: 2002-02-13
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1386
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 663
/ LENGTH: 1627
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-295-027-663

Query Match      1.2%; Score 18; DB 4; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 FTPNOVARMHGYLDLVYQ 602
Db      647 FTPNOVARMHGYLDLVYQ 664

RESULT 19
US-10-783-311-1
/ Sequence 1, Application US/10783311
/ Publication No. US20050009136A1
/ GENERAL INFORMATION:
/ APPLICANT: Nixon, Andrew
/ APPLICANT: Hogan, Shannon
/ TITLE OF INVENTION: PAPP-A LIGANDS
/ FILE REFERENCE: 10280-059001
/ CURRENT APPLICATION NUMBER: US/10/783,311
/ CURRENT FILING DATE: 2004-02-19
/ PRIOR APPLICATION NUMBER: US 60/448,515
/ PRIOR FILING DATE: 2003-02-19
/ NUMBER OF SEQ ID NOS: 394
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1
/ LENGTH: 1627
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-783-311-1

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 FTPNOVARMHGYLDLVYQ 602
Db      647 FTPNOVARMHGYLDLVYQ 664
```

```
RESULT 20
US-10-741-600-1406
/ Sequence 1406, Application US/10741600
/ Publication No. US20050026169A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001499
/ CURRENT APPLICATION NUMBER: US/10/741,600
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ ID NOS: 73997
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1406
/ LENGTH: 1627
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-741-600-1406

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 FTPNOVARMHGYLDLVYQ 602
Db      647 FTPNOVARMHGYLDLVYQ 664

RESULT 21
US-10-991-321-32
/ Sequence 32, Application US/10991321
/ Publication No. US20050112675A1
/ GENERAL INFORMATION:
/ APPLICANT: Kochen, Jarema Peter
/ APPLICANT: Rosinski, James Andrew
/ TITLE OF INVENTION: Specific Markers for Metabolic Syndrome
/ FILE REFERENCE: 21742 US1
/ CURRENT APPLICATION NUMBER: US/10/991,321
/ CURRENT FILING DATE: 2004-11-17
/ NUMBER OF SEQ ID NOS: 36
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 32
/ LENGTH: 1627
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-991-321-32

Query Match      1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 FTPNOVARMHGYLDLVYQ 602
Db      647 FTPNOVARMHGYLDLVYQ 664

RESULT 22
US-10-887-229A-8
/ Sequence 8, Application US/10887229A
/ Publication No. US20050148509A1
/ GENERAL INFORMATION:
/ APPLICANT: DAKE, BRIAN
/ APPLICANT: BOOTH, BARBARA
/ APPLICANT: BOES, MARY
/ APPLICANT: BAR, ROBERT S.
/ TITLE OF INVENTION: BINDING PROTEINS AS CHEMOTHERAPY
/ FILE REFERENCE: IOWA:049US
/ CURRENT APPLICATION NUMBER: US/10/887,229A
/ CURRENT FILING DATE: 2004-07-08
/ PRIOR APPLICATION NUMBER: 60/538,000
/ PRIOR FILING DATE: 2004-01-21
```

```
/ PRIOR APPLICATION NUMBER: 60/485,846
/ PRIOR FILING DATE: 2003-07-09
/ NUMBER OF SEQ. ID NOS: 16
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 1627
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-887-229A-8
```

```
Query Match          1.2%; Score 18; DB 5; Length 1627;
Best Local Similarity 100.0%; Pred. No. 9.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLVIYQ 602
      |||
DB      647 FTBNQVARMHCYIDLVIYQ 664
```

## RESULT 23

```
US-10-450-763-41497
/ Sequence 41497; Application US/10450763
/ Publication No.: US20050196754A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyseq, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 790CIP3/US
/ CURRENT APPLICATION NUMBER: US/10/450,763
/ CURRENT FILING DATE: 2003-06-11
/ PRIOR APPLICATION NUMBER: PCT/US01/08631
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/540,217
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 09/649,167
/ PRIOR FILING DATE: 2000-08-23
/ NUMBER OF SEQ ID NOS: 60736
/ SOFTWARE: Custom
/ SEQ ID NO 41497
/ LENGTH: 1752
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (632)-(643)
/ OTHER INFORMATION: Neutral zinc metalloproteases zinc-binding region proteins.
/ OTHER INFORMATION: domain identified by eMATRIX, accession number BL00142, p-value=
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (1288)-(1544)
/ OTHER INFORMATION: Sushi domain (SCR repeat) domain identified by Pfam,
/ OTHER INFORMATION: accession name sushi, E-value=2.6e-18, Pfam score of 74.3
US-10-450-763-41497
```

```
Query Match          1.2%; Score 18; DB 5; Length 1752;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      585 FTBNQVARMHCYIDLVIYQ 602
      |||
DB      720 FTBNQVARMHCYIDLVIYQ 737
```

```
RESULT 24
US-09-827-998-18
/ Sequence 18; Application US/09827998
/ Patent No. US20020102252A1
/ GENERAL INFORMATION:
/ APPLICANT: Gu, Yizhong
/ APPLICANT: Shannon, Mark
/ TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
/ FILE REFERENCE: MDHMOF-8
/ CURRENT APPLICATION NUMBER: US/09/827,998
```

```
/ CURRENT FILING DATE: 2001-04-06
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ NUMBER OF SEQ ID NOS: 1881
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 18
/ LENGTH: 20
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-827-998-18
```

```
Query Match          0.7%; Score 11; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      480 GGIIVSPAYYG 490
      |||
DB      10 GGIIVSPAYYG 20
```

## RESULT 25

```
US-10-675-685-18
/ Sequence 18; Application US/10675685
/ Publication No.: US20040063134A1
/ GENERAL INFORMATION:
/ APPLICANT: Gu, Yizhong
/ APPLICANT: Shannon, Mark
/ TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
/ FILE REFERENCE: PB0114
/ CURRENT APPLICATION NUMBER: US/10/675,685
/ CURRENT FILING DATE: 2003-09-30
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ NUMBER OF SEQ ID NOS: 1881
/ SOFTWARE: Aeomica Sequence Listing Engine
/ SEQ ID NO 18
/ LENGTH: 20
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-675-685-18
```

```
Query Match          0.7%; Score 11; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      480 GGIIVSPAYYG 490
      |||
DB      10 GGIIVSPAYYG 20
```

```
RESULT 26
US-10-369-493-18401
/ Sequence 18401; Application US/10369493
/ Publication No.: US20030233675A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Chen, Xianfeng
/ TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
/ FILE REFERENCE: 38-10(52052)B
/ CURRENT APPLICATION NUMBER: US/10/369,493
/ CURRENT FILING DATE: 2003-02-28
/ PRIOR APPLICATION NUMBER: US 60/360,039
/ PRIOR FILING DATE: 2002-02-21
/ NUMBER OF SEQ ID NOS: 47374
/ SEQ ID NO 18401
```

/ LENGTH: 502  
/ TYPE: PRT  
/ ORGANISM: Lactococcus lactis  
US-10-369-493-18401

Query Match 0.6%; Score 9; DB 4; Length 502;  
Best Local Similarity 100.0%; Pred. No. 27;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 781 DGRVSGVKV 789  
DB 217 DGRVSGVKV 225

RESULT 27  
US-10-115-072-7

/ Sequence 7, Application US/10115072  
/ Publication No. US20030105003A1  
/ GENERAL INFORMATION:  
/ APPLICANT: NILSSON, JAN  
/ APPLICANT: SHAH, PREDIMAN K.  
/ TITLE OF INVENTION: PEPTIDE-BASED IMMUNIZATION THERAPY FOR TREATMENT OF  
/ TITLE OF INVENTION: ATHEROSCLEROSIS AND DEVELOPMENT OF PEPTIDE-BASED ASSAY  
/ TITLE OF INVENTION: FOR DETERMINATION OF IMMUNE RESPONSES AGAINST OXIDIZED  
/ FILE REFERENCE: 03940.0057  
/ CURRENT APPLICATION NUMBER: US/10/115,072  
/ CURRENT FILING DATE: 2002-08-20  
/ PRIOR APPLICATION NUMBER: 60/281,410  
/ PRIOR FILING DATE: 2001-05-04  
/ PRIOR APPLICATION NUMBER: SE 0101232-7  
/ PRIOR FILING DATE: 2001-05-04  
/ PRIOR APPLICATION NUMBER: SE 0103754-8  
/ PRIOR FILING DATE: 2001-09-11  
/ NUMBER OF SEQ ID NOS: 38  
/ SOFTWARE: PatentIn Ver. 2.1  
/ SEQ ID NO 7  
/ LENGTH: 20  
/ TYPE: PRT  
/ ORGANISM: Artificial Sequence  
/ FEATURE:  
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-10-115-072-7

Query Match 0.5%; Score 8; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
DB 2 GTYGLSCQ 9

RESULT 28  
US-10-679-032-45

/ Sequence 45, Application US/10679032  
/ Publication No. US20040202653A1  
/ GENERAL INFORMATION:  
/ APPLICANT: NILSSON, JAN  
/ APPLICANT: CARLSSON, ROLAND  
/ APPLICANT: BENGTSSON, JENNY  
/ APPLICANT: STRANDBERG, LEIF  
/ TITLE OF INVENTION: PEPTIDE-BASED PASSIVE IMMUNIZATION THERAPY FOR  
/ TITLE OF INVENTION: TREATMENT OF ATHEROSCLEROSIS  
/ FILE REFERENCE: 7303CIP  
/ CURRENT APPLICATION NUMBER: US/10/679,032  
/ CURRENT FILING DATE: 2003-10-03  
/ NUMBER OF SEQ ID NOS: 79  
/ SOFTWARE: PatentIn Ver. 3.2  
/ SEQ ID NO 45  
/ LENGTH: 20  
/ TYPE: PRT

/ ORGANISM: Artificial Sequence  
/ FEATURE:  
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
/ OTHER INFORMATION: peptide  
US-10-679-032-45

Query Match 0.5%; Score 8; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
DB 2 GTYGLSCQ 9

RESULT 29  
US-10-029-386-30575

/ Sequence 30575, Application US/10029386  
/ Publication No. US20030194704A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Rank, Sharon G.  
/ APPLICANT: Rank, David R.  
/ APPLICANT: Hanzel, David K.  
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
/ TITLE OF INVENTION: EXPRESSION ANALYSIS TWO  
/ FILE REFERENCE: AEOMICA-X-2  
/ CURRENT APPLICATION NUMBER: US/10/029,386  
/ CURRENT FILING DATE: 2001-12-20  
/ NUMBER OF SEQ ID NOS: 34288  
/ SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
/ SEQ ID NO 30575  
/ LENGTH: 28  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
/ FEATURE:  
/ OTHER INFORMATION: MAP TO AC011799.5  
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.37  
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.4  
US-10-029-386-30575

Query Match 0.5%; Score 8; DB 4; Length 28;  
Best Local Similarity 100.0%; Pred. No. 20;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1527 SSTLSSKK 1534  
DB 15 SSTLSSKK 22

RESULT 30  
US-10-424-599-243752

/ Sequence 243752, Application US/10424599  
/ Publication No. US20040031072A1  
/ GENERAL INFORMATION:  
/ APPLICANT: La Rosa Thomas J  
/ APPLICANT: Kovalic David K  
/ APPLICANT: Zhou Yihua  
/ APPLICANT: Cao Yongwei  
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
/ FILE REFERENCE: 38-21(53223)B  
/ CURRENT APPLICATION NUMBER: US/10/424,599  
/ CURRENT FILING DATE: 2003-04-28  
/ NUMBER OF SEQ ID NOS: 285684  
/ SEQ ID NO 243752  
/ LENGTH: 43  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT3847\_62134C.1.Dep  
US-10-424-599-243752

Query Match 0.5%; Score 8; DB 4; Length 43;

Best Local Similarity 100.0%; Pred. No. 30;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 TALPOSHF 205  
Db 33 TALPOSHF 40

## RESULT 31

US-10-656-053B-90  
; Sequence 90, Application US/10656053B  
; Publication No. US20050215499A1  
; GENERAL INFORMATION:  
; APPLICANT: GUEVERA, JR., JUAN G.  
; APPLICANT: HOOGEVEEN, RON C.  
; APPLICANT: MOORE, PAUL J.  
; TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID VECTORS  
; FILE REFERENCE: ARAG:003USD1  
; CURRENT APPLICATION NUMBER: US/10/656,053B  
; PRIOR FILING DATE: 2003-09-05  
; PRIOR APPLICATION NUMBER: 09/079,030  
; PRIOR FILING DATE: 1998-05-14  
; PRIOR APPLICATION NUMBER: 08/874,807  
; PRIOR FILING DATE: 1997-06-13  
; NUMBER OF SEQ ID NOS: 229  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 90  
; LENGTH: 47  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-656-053B-90

Query Match 0.5%; Score 8; DB 5; Length 47;  
Best Local Similarity 100.0%; Pred. No. 32;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
Db 32 GTYGLSCQ 39

RESULT 32  
US-10-425-115-352366  
; Sequence 352366, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; PRIOR FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 352366  
; LENGTH: 66  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_84526C.1.pep  
US-10-425-115-352366

Query Match 0.5%; Score 8; DB 4; Length 66;  
Best Local Similarity 100.0%; Pred. No. 43;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSRR 668  
Db 7 VHTASSRR 14

## RESULT 33

US-09-864-408A-7358  
; Sequence 7358, Application US/09864408A  
; Publication No. US20040009474A1  
; GENERAL INFORMATION:  
; APPLICANT: Leach, Martin D.  
; APPLICANT: Shinkets, Richard A.  
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Enc.  
; FILE REFERENCE: 21402-012  
; CURRENT APPLICATION NUMBER: US/09/864,408A  
; PRIOR FILING DATE: 2001-05-24  
; PRIOR APPLICATION NUMBER: 60/206,690  
; PRIOR FILING DATE: 2000-05-24  
; NUMBER OF SEQ ID NOS: 9068  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7358  
; LENGTH: 87  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-864-408A-7358

Query Match 0.5%; Score 8; DB 3; Length 87;  
Best Local Similarity 100.0%; Pred. No. 56;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 LRPEVLAE 48  
Db 27 LRPEVLAE 34

## RESULT 34

US-10-437-963-137791  
; Sequence 137791, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; PRIOR FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 137791  
; LENGTH: 117  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_39240C.1.pep  
US-10-437-963-137791

Query Match 0.5%; Score 8; DB 4; Length 117;  
Best Local Similarity 100.0%; Pred. No. 73;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 804 TSQPHSPL 811  
Db 29 TSQPHSPL 36

## RESULT 35

US-10-437-963-129209  
; Sequence 129209, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.

```

; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 129209
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_31488C.1.pep
US-10-437-963-129209

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 118;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 610 PTPPIPP 617
DB 88 PTPPIPP 95

RESULT 36
US-10-425-115-301015
; Sequence 301015, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 301015
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37596C.1.pep
US-10-425-115-301015

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 145;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VVKELKAL 443
DB 59 VVKELKAL 66

RESULT 37
US-10-425-115-301017
; Sequence 301017, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
```

```

; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 301017
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37596C.1.pep
US-10-425-115-301017

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 153;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VVKELKAL 443
DB 67 VVKELKAL 74

RESULT 38
US-10-425-115-358611
; Sequence 358611, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 358611
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_90220C.1.pep
US-10-425-115-358611

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 158;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 688 DQCEPSL 695
DB 125 DQCEPSL 132

RESULT 39
US-10-424-599-211488
; Sequence 211488, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 211488
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_329C.1.pep
```



US-10-424-599-211488

Query Match : 0.5%; Score 8; DB 4; Length 173;  
 Best Local Similarity 100.0%; Pred. No. 1e+02;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 797 EIDALLT 804  
 |||||  
 DB 133 EIDALLT 140

RESULT 40

US-10-424-599-261285  
 ; Sequence 261285, Application US/10424599  
 ; Publication No. US20040031072A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa Thomas J  
 ; APPLICANT: Kovalic David K  
 ; APPLICANT: Zhou Yihua  
 ; APPLICANT: Cao Yongwei  
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53223)B  
 ; CURRENT APPLICATION NUMBER: US/10/424,599  
 ; CURRENT FILING DATE: 2003-04-28  
 ; NUMBER OF SEQ ID NOS: 285684  
 ; SEQ ID NO 261285  
 ; LENGTH: 194  
 ; TYPE: PRT  
 ; ORGANISM: Glycine max  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_77963C.1.pep  
 US-10-424-599-261285

Query Match : 0.5%; Score 8; DB 4; Length 194;  
 Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 480 GGIVLSPA 487  
 |||||  
 DB 36 GGIVLSPA 43

RESULT 41

US-10-732-923-15571  
 ; Sequence 15571, Application US/10732923  
 ; Publication No. US20050108791A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Edgeron, Michael D  
 ; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES  
 ; FILE REFERENCE: 38-15(52796)C  
 ; CURRENT APPLICATION NUMBER: US/10/732,923  
 ; CURRENT FILING DATE: 2003-12-10  
 ; PRIOR APPLICATION NUMBER: 10/310,154  
 ; PRIOR FILING DATE: 2002-12-04  
 ; NUMBER OF SEQ ID NOS: 24149  
 ; SEQ ID NO 15571  
 ; LENGTH: 202  
 ; TYPE: PRT  
 ; ORGANISM: Triticum aestivum  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: (1)-(202)  
 ; OTHER INFORMATION: unsure at all Xaa locations  
 US-10-732-923-15571

Query Match : 0.5%; Score 8; DB 5; Length 202;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 207 HSSQSSG 214  
 |||||  
 DB 41 HSSQSSG 48

RESULT 42

US-10-437-963-195783  
 ; Sequence 195783, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Bouharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 195783  
 ; LENGTH: 204  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_91699C.1.pep  
 US-10-437-963-195783

Query Match : 0.5%; Score 8; DB 4; Length 204;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1418 GRCPPPPS 1425  
 |||||  
 DB 154 GRCPPPPS 161

RESULT 43

US-10-767-701-32497  
 ; Sequence 32497, Application US/10767701  
 ; Publication No. US20040172684A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53535)B  
 ; CURRENT APPLICATION NUMBER: US/10/767,701  
 ; CURRENT FILING DATE: 2004-01-29  
 ; NUMBER OF SEQ ID NOS: 63128  
 ; SEQ ID NO 32497  
 ; LENGTH: 221  
 ; TYPE: PRT  
 ; ORGANISM: Sorghum bicolor  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: SORBI-28MAV03-C133268\_1.pep  
 US-10-767-701-32497

Query Match : 0.5%; Score 8; DB 4; Length 221;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RREPLLR 42  
 |||||  
 DB 106 RREPLLR 113

RESULT 44

US-10-282-122A-50794  
 ; Sequence 50794, Application US/10282122A  
 ; Publication No. US20040029129A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangshu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 50794
/ LENGTH: 274
/ TYPE: PRT
/ ORGANISM: Bordetella pertussis
US-10-282-122A-50794

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 274;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 637 GVVYDRAS 644
DB 246 GVVYDRAS 253

RESULT 45
US-10-424-599-261287
/ Sequence 261287, Application US/10424599
/ Publication No. US20040031072A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J
/ APPLICANT: Kovalic, David K
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 261287
/ LENGTH: 279
/ TYPE: PRT
```

```
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_77965C.1.pcp
US-10-424-599-261287

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 279;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 480 GGIVSPA 487
DB 37 GGIVSPA 44

RESULT 46
US-10-282-122A-6115
/ Sequence 6115, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangshu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 6115
/ LENGTH: 281
/ TYPE: PRT
/ ORGANISM: Legionella pneumophila
US-10-282-122A-6115

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 281;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 GGEATDL 221
DB 243 GGEATDL 250
```

```
RESULT 47
US-10-602-898A-14
; Sequence 14, Application US/10602898A
; Publication No. US20040187176A1
; GENERAL INFORMATION:
; APPLICANT: Boyes, Douglas
; APPLICANT: Davis, Keith
; APPLICANT: Jones, Alan
; APPLICANT: Ullah, Hemayet
; APPLICANT: Chen, Jin-Gui
; APPLICANT: Mulpuri, Rao
; APPLICANT: Chatterjee, Anil
; APPLICANT: Ward, Mary
; TITLE OF INVENTION: METHODS FOR IMPROVING PLANT AGRONOMICAL TRAITS BY ALTERING THE
; FILE REFERENCE: 21505
; CURRENT APPLICATION NUMBER: US/10/602,898A
; PRIOR FILING DATE: 2003-06-24
; PRIOR APPLICATION NUMBER: 60/392,730
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/445,208
; PRIOR FILING DATE: 2003-02-05
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 377
; TYPE: PR1
; ORGANISM: Nicotiana tabacum
US-10-602-898A-14
```

```
Query Match      0.5%; Score 8; DB 4; Length 377;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      434 MSYKELKE 441
Db      1 MSYKELKE 8

RESULT 48
US-10-732-923-7459
; Sequence 7459, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 7459
; LENGTH: 377
; TYPE: PR1
; ORGANISM: Nicotiana tabacum
US-10-732-923-7459
```

```
Query Match      0.5%; Score 8; DB 5; Length 377;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      434 MSYKELKE 441
Db      1 MSYKELKE 8
```

```
RESULT 49
US-09-815-242-13478
; Sequence 13478, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
```

```
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13478
; LENGTH: 457
; TYPE: PR1
; ORGANISM: Streptococcus pneumoniae
US-09-815-242-13478
```

```
Query Match      0.5%; Score 8; DB 3; Length 457;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      309 VSEEQIRL 316
Db      290 VSEEQIRL 297
```

```
RESULT 50
US-10-282-122A-74115
; Sequence 74115, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
```

```
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 74115
/ LENGTH: 457
/ TYPE: PRT
/ ORGANISM: Streptococcus pneumoniae
US-10-282-122A-74115
```

```
Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 457;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 309 VSEEQIRL 316
Db 290 VSEEQIRL 297
```

```
RESULT 51
US-10-472-928-3436
/ Sequence 3436, Application US/10472928
/ Publication No. US20050020813A1
/ GENERAL INFORMATION:
/ APPLICANT: CHIRON SPA
/ APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
/ TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
/ FILE REFERENCE: P026926WO
/ CURRENT APPLICATION NUMBER: US/10/472,928
/ PRIOR FILING DATE: 2003-09-26
/ PRIOR APPLICATION NUMBER: GB-0107658.7
/ PRIOR FILING DATE: 2001-03-27
/ NUMBER OF SEQ ID NOS: 4979
/ SOFTWARE: SeqMin99, version 1.03
/ SEQ ID NO 3436
/ LENGTH: 457
/ TYPE: PRT
/ ORGANISM: Streptococcus pneumoniae
/ FEATURE:
/ OTHER INFORMATION: UDP-N-acetylmuramoylalanyl-D-glutamy1-2,6-diaminopimelate--D-alan
/ OTHER INFORMATION: Cellular location: cytoplasm
/ OTHER INFORMATION: Similar to strain R6 sequence 15903557 (0.F+01)
US-10-472-928-3436
```

```
Query Match
Best Local Similarity 100.0%; Score 8; DB 5; Length 457;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 309 VSEEQIRL 316
Db 290 VSEEQIRL 297
```

```
RESULT 52
US-10-156-761-8854
/ Sequence 8854, Application US/10156761
/ Publication No. US20030119018A1
/ GENERAL INFORMATION:
/ APPLICANT: OMURA, SATOSHI
/ APPLICANT: IKEDA, HARUO
/ APPLICANT: ISHIKAWA, JUN
/ APPLICANT: HORIKAWA, HIROSHI
/ APPLICANT: SHIBA, TADAYOSHI
```

```
/ APPLICANT: SAKAKI, YOSHIYUKI
/ APPLICANT: HATTORI, MASAHIRA
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
/ FILE REFERENCE: 249-262
/ CURRENT APPLICATION NUMBER: US/10/156,761
/ CURRENT FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: JP 2001-204089
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: JP 2001-272697
/ PRIOR FILING DATE: 2001-08-02
/ NUMBER OF SEQ ID NOS: 15109
/ SEQ ID NO 8854
/ LENGTH: 470
/ TYPE: PRT
/ ORGANISM: Streptomyces avermitilis
US-10-156-761-8854
```

```
Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 470;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 40 LRPEVLA 47
Db 456 LRPEVLA 463
```

```
RESULT 53
US-10-156-761-14941
/ Sequence 14941, Application US/10156761
/ Publication No. US20030119018A1
/ GENERAL INFORMATION:
/ APPLICANT: OMURA, SATOSHI
/ APPLICANT: IKEDA, HARUO
/ APPLICANT: ISHIKAWA, JUN
/ APPLICANT: HORIKAWA, HIROSHI
/ APPLICANT: SHIBA, TADAYOSHI
/ APPLICANT: SAKAKI, YOSHIYUKI
/ APPLICANT: HATTORI, MASAHIRA
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
/ FILE REFERENCE: 249-262
/ CURRENT APPLICATION NUMBER: US/10/156,761
/ CURRENT FILING DATE: 2002-05-29
/ PRIOR APPLICATION NUMBER: JP 2001-204089
/ PRIOR FILING DATE: 2001-05-30
/ PRIOR APPLICATION NUMBER: JP 2001-272697
/ PRIOR FILING DATE: 2001-08-02
/ NUMBER OF SEQ ID NOS: 15109
/ SEQ ID NO 14941
/ LENGTH: 481
/ TYPE: PRT
/ ORGANISM: Streptomyces avermitilis
US-10-156-761-14941
```

```
Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 481;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 41 LRPEVLA 48
Db 213 LRPEVLA 220
```

```
RESULT 54
US-10-156-761-8688
/ Sequence 8688, Application US/10156761
/ Publication No. US20030119018A1
/ GENERAL INFORMATION:
/ APPLICANT: OMURA, SATOSHI
/ APPLICANT: IKEDA, HARUO
/ APPLICANT: ISHIKAWA, JUN
/ APPLICANT: HORIKAWA, HIROSHI
/ APPLICANT: SHIBA, TADAYOSHI
/ APPLICANT: SAKAKI, YOSHIYUKI
```

```

; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 8688
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-8688

Query Match          0.5%; Score 8; DB 4; Length 489;
Best Local Similarity 100.0%; Pred.No.2.6e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      976 LVTEPHS 983
      |||||
Db      295 LVTEPHS 302

RESULT 55
US-10-282-122A-60140
; Sequence 60140, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haseibeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60140
; LENGTH: 588
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
```

```

US-10-282-122A-60140

Query Match          0.5%; Score 8; DB 4; Length 588;
Best Local Similarity 100.0%; Pred.No.3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      44 EVLAETPR 51
      |||||
Db      318 EVLAETPR 325

RESULT 56
US-10-376-893-3
; Sequence 3, Application US/10376893
; Publication No. US20030219794A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marla
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen-Avenine, Annick
; TITLE OF INVENTION: GENOMIC SEQUENCE OF THE purH GENE AND purH-RELATED BIALLELIC
; FILE REFERENCE: GENSET.058AUS
; CURRENT APPLICATION NUMBER: US/10/376,893
; CURRENT FILING DATE: 2003-02-27
; PRIOR APPLICATION NUMBER: US/09/536,059
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: US 60/125,961
; PRIOR FILING DATE: 1999-03-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent.pm
; SEQ ID NO 3
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 116
; OTHER INFORMATION: Xaa=Thr or Ser
US-10-376-893-3

Query Match          0.5%; Score 8; DB 4; Length 592;
Best Local Similarity 100.0%; Pred.No.3.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      436 VKELKEAL 443
      |||||
Db      250 VKELKEAL 257

RESULT 57
US-10-734-049A-261
; Sequence 261, Application US/10734049A
; Publication No. US20050042624A1
; GENERAL INFORMATION:
; APPLICANT: ITOH, Kyogo
; APPLICANT: SHICHIO, Shigeki
; TITLE OF INVENTION: TUMOR ANTIGEN
; FILE REFERENCE: O-78382
; CURRENT APPLICATION NUMBER: US/10/734,049A
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/JP02/05799
; PRIOR FILING DATE: 2002-06-11
; PRIOR APPLICATION NUMBER: JP 2001/177058
; PRIOR FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: JP 2001/250728
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 408
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 261
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-10-734-049A-261

Query Match 0.5%; Score 8; DB 5; Length 592;

Best Local Similarity 100.0%; Pred. No. 3.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443

DB 250 VKELKEAL 257

RESULT 58

US-10-927-904-2

Sequence 2, Application US/10927904

Publication No. US20050112627A1

GENERAL INFORMATION:

APPLICANT: Dervieux, Thierry

APPLICANT: Walsh, Michael

APPLICANT: Promethius Laboratories Inc.

TITLE OF INVENTION: Methods for Optimizing Clinical Responsiveness to

TITLE OF INVENTION: Metaborexate Therapy Using Metabolite Profiling and

FILE REFERENCE: 021825-001420US

CURRENT APPLICATION NUMBER: US/10/927,904

CURRENT FILING DATE: 2004-08-26

PRIOR APPLICATION NUMBER: US 60/514,423

PRIOR FILING DATE: 2003-10-24

PRIOR APPLICATION NUMBER: US 10/652,894

PRIOR FILING DATE: 2003-08-29

PRIOR APPLICATION NUMBER: US 60/560,752

PRIOR FILING DATE: 2003-08-29

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 592

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: aminomidazole carboxamide ribonucleotide

OTHER INFORMATION: transformylase, 5-aminomidazole-4-carboxamide

OTHER INFORMATION: ribonucleotide formyltransferase (ATTC)

US-10-927-904-2

Query Match 0.5%; Score 8; DB 5; Length 592;

Best Local Similarity 100.0%; Pred. No. 3.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443

DB 250 VKELKEAL 257

RESULT 59

US-10-450-763-30777

Sequence 30777, Application US/10450763

Publication No. US20050196754A1

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 790CIP3/US

CURRENT APPLICATION NUMBER: US/10/450,763

CURRENT FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: PCT/US01/08631

PRIOR FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR FILING DATE: 2000-03-31

PRIOR APPLICATION NUMBER: 09/649,167

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: Custom

SEQ ID NO 30777

LENGTH: 592

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (38)..(80)

OTHER INFORMATION: IMP PHOSPHORIBOSYLAMINOIMIDAZOLE domain identified by

OTHER INFORMATION: eMATRIX, accession number PD02408B, p-value=1.000e-40, raw score

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (135)..(462)

OTHER INFORMATION: AICART/IMPChase bienzyme domain identified by Pfam,

OTHER INFORMATION: accession name AICART\_IMPChas, E-value=4.2e-217, Pfam score of

OTHER INFORMATION: 734.7

US-10-450-763-30777

Query Match 0.5%; Score 8; DB 5; Length 592;

Best Local Similarity 100.0%; Pred. No. 3.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443

DB 250 VKELKEAL 257

RESULT 60

US-09-925-301-1218

Sequence 1218, Application US/09925301

Patent No. US20020052308A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA106

CURRENT APPLICATION NUMBER: US/09/925,301

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05882

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1218

LENGTH: 598

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (9)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (144)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-925-301-1218

Query Match 0.5%; Score 8; DB 3; Length 598;

Best Local Similarity 100.0%; Pred. No. 3.1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443

DB 278 VKELKEAL 285

RESULT 61

US-10-106-698-4589

Sequence 4589, Application US/10106698

Publication No. US20030109690A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

FILE REFERENCE: PA005P1

CURRENT APPLICATION NUMBER: US/10/106,698

CURRENT FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: PCT/US00/26524

```
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4589
; LENGTH: 598
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (144)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4589
```

Query Match 0.5%; Score 8; DB 4; Length 598;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 436 VKELKEAL 443
Db 278 VKELKEAL 285
```

```
RESULT 62
US-10-282-122A-67750
; Sequence 67750; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zytkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
```

```
; SEQ ID NO 67750
; LENGTH: 602
; TYPE: PRT
; ORGANISM: Pseudomonas putida
US-10-282-122A-67750
```

Query Match 0.5%; Score 8; DB 4; Length 602;  
Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 44 EVLAIEPR 51
Db 320 EVLAIEPR 327
```

```
RESULT 63
US-10-282-122A-69598
; Sequence 69598; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zytkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69598
; LENGTH: 602
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-282-122A-69598
```

Query Match 0.5%; Score 8; DB 4; Length 602;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 44 EVLAIEPR 51
Db 320 EVLAIEPR 327
```

```
RESULT 64
US-10-375-039-32
; Sequence 32, Application US/10375039
; Publication No. US20040170986A1
; GENERAL INFORMATION:
; APPLICANT: USUDA, Yoshihiro
; APPLICANT: NISHIO, Yosuke
; APPLICANT: YASUEDA, Hisaashi
; APPLICANT: SUGIMOTO, Shinichi
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING POLYPEPTIDES INVOLVED IN AMINO ACID BIOS
; FILE REFERENCE: 232743USO
; CURRENT APPLICATION NUMBER: US/10/375,039
; CURRENT FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Methylophilus methylotrophus
US-10-375-039-32

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 615;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 EVLAIEPR 51
DB 319 EVLAIEPR 326

RESULT 65
US-10-425-115-304986
; Sequence 304986, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 304986
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(712)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_41220C.1.pcp
US-10-425-115-304986

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 712;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 460 REDLAGAA 467
DB 52 REDLAGAA 59

RESULT 66
US-10-369-493-13831
; Sequence 13831, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 13831
; LENGTH: 1076
; TYPE: PRT
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-13831

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 1076;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 EVLAIEPR 51
DB 795 EVLAIEPR 802

RESULT 67
US-10-425-115-338822
; Sequence 338822, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 338822
; LENGTH: 1175
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_72172C.1.pcp
US-10-425-115-338822

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 1175;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 434 MSVKELKE 441
DB 587 MSVKELKE 594

RESULT 68
US-10-128-714-8301
; Sequence 8301, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wengqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
```



FILE REFERENCE: 10182-018-999  
CURRENT APPLICATION NUMBER: US/10/128, 714  
PRIOR FILING DATE: 2002-04-23  
PRIOR APPLICATION NUMBER: US 60/285, 697  
PRIOR FILING DATE: 2001-04-23  
PRIOR APPLICATION NUMBER: US 60/287, 066  
PRIOR FILING DATE: 2001-04-27  
PRIOR APPLICATION NUMBER: US 60/295, 890  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: US 60/303, 899  
PRIOR FILING DATE: 2001-07-09  
PRIOR APPLICATION NUMBER: US 60/316, 362  
PRIOR FILING DATE: 2001-08-31  
NUMBER OF SEQ ID NOS: 8603  
SOFTWARE: Patent version 3.1  
SEQ ID NO 8301  
LENGTH: 1460  
TYPE: PRT  
ORGANISM: *Aspergillus fumigatus*  
FEATURE:  
NAME/KEY: MISC\_FEATURE  
LOCATION: (883)..(883)  
OTHER INFORMATION: X= any amino acid  
US-10-128-714-8301

Query Match 0.5%; Score 8; DB 4; Length 1460;  
Best Local Similarity 100.0%; Pred. No. 7e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1006 VASENETO 1013  
Db 1350 VASENETO 1357

RESULT 69  
US-09-864-761-46862  
Sequence 46862, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aeomica-X-1  
CURRENT APPLICATION NUMBER: US/09/864, 761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180, 312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207, 456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632, 366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263, 6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236, 359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234, 687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608, 408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774, 203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 46862  
LENGTH: 1706  
TYPE: PRT  
ORGANISM: *Homo sapiens*  
FEATURE:  
OTHER INFORMATION: MAP TO AC010872.3  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.9  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 8.1  
OTHER INFORMATION: SWISSPROT HIT: P04114, EVALU 0.00e+00  
OTHER INFORMATION: EST HUMAN HIT: AA702484.1, EVALU 0.00e+00  
OTHER INFORMATION: EST HUMAN HIT: AA702484.1, EVALU 0.00e+00  
US-09-864-761-46862

Query Match 0.5%; Score 8; DB 3; Length 1706;  
Best Local Similarity 100.0%; Pred. No. 8e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
Db 93 GTYGLSCQ 100

RESULT 70  
US-10-741-601-431  
Sequence 431, Application US/10741601  
Publication No. US2004016519A1  
GENERAL INFORMATION:  
APPLICANT: CARGILL, Michele et al.  
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001500  
CURRENT APPLICATION NUMBER: US/10/741, 601  
CURRENT FILING DATE: 2003-12-22  
NUMBER OF SEQ ID NOS: 26415  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 431  
LENGTH: 3000  
TYPE: PRT  
ORGANISM: *Homo sapiens*  
US-10-741-601-431

Query Match 0.5%; Score 8; DB 4; Length 3000;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
Db 451 GTYGLSCQ 458

RESULT 71  
US-10-741-600-1286  
Sequence 1286, Application US/10741600  
Publication No. US20050026169A1  
GENERAL INFORMATION:  
APPLICANT: CARGILL, Michele et al.  
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001499  
CURRENT APPLICATION NUMBER: US/10/741, 600

;/ CURRENT FILING DATE: 2003-12-22  
;/ NUMBER OF SEQ ID NOS: 73997  
;/ SOFTWARE: FastSeq for Windows Version 4.0  
;/ SEQ ID NO 1286  
;/ LENGTH: 3000  
;/ TYPE: PRT  
;/ ORGANISM: Homo sapiens  
US-10-741-600-1286

Query Match 0.5%; Score 8; DB 5; Length 3000;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1079 GTYGLSCQ 1086  
Db 451 GTYGLSCQ 458

RESULT 72  
US-10-656-053B-1  
;/ Sequence 1, Application US/10656053B  
;/ Publication No. US20050215499A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: GUEVERA, JR., JUAN G.  
;/ APPLICANT: HOOGEVEEN, RON C.  
;/ APPLICANT: MOORE, PAUL J.  
;/ TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID VECTORS  
;/ FILE REFERENCE: ARAG:003USD1  
;/ CURRENT APPLICATION NUMBER: US/10/656,053B  
;/ CURRENT FILING DATE: 2003-09-05  
;/ PRIOR APPLICATION NUMBER: 09/079,030  
;/ PRIOR FILING DATE: 1998-05-14  
;/ PRIOR APPLICATION NUMBER: 08/874,807  
;/ PRIOR FILING DATE: 1997-06-13  
;/ NUMBER OF SEQ ID NOS: 229  
;/ SOFTWARE: PatentIn Ver. 2.1  
;/ SEQ ID NO 1  
;/ LENGTH: 4536  
;/ TYPE: PRT  
;/ ORGANISM: Homo sapiens  
US-10-656-053B-1

Query Match 0.5%; Score 8; DB 5; Length 4536;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1079 GTYGLSCQ 1086  
Db 1472 GTYGLSCQ 1479

RESULT 73  
US-10-398-200-2  
;/ Sequence 2, Application US/10398200  
;/ Publication No. US20050048062A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: AGNELLO, VINCENT  
;/ TITLE OF INVENTION: METHOD OF INHIBITING INFECTION BY HCV, OTHER  
;/ TITLE OF INVENTION: FLAVIVIRIDAE VIRUSES, AND ANY OTHER VIRUS THAT  
;/ TITLE OF INVENTION: COMPLEXES TO LOW DENSITY LIPOPROTEIN OR TO VERY LOW  
;/ TITLE OF INVENTION: DENSITY LIPOPROTEIN IN BLOOD BY PREVENTING VIRAL ENTRY  
;/ FILE REFERENCE: 1513-PCT-00  
;/ CURRENT APPLICATION NUMBER: US/10/398,200  
;/ CURRENT FILING DATE: 2003-04-03  
;/ PRIOR APPLICATION NUMBER: 60/243,594  
;/ PRIOR FILING DATE: 2000-10-25  
;/ NUMBER OF SEQ ID NOS: 3  
;/ SOFTWARE: PatentIn Ver. 2.1  
;/ SEQ ID NO 2  
;/ LENGTH: 4560  
;/ TYPE: PRT  
;/ ORGANISM: Homo sapiens

US-10-398-200-2

Query Match 0.5%; Score 8; DB 5; Length 4560;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1079 GTYGLSCQ 1086  
Db 1496 GTYGLSCQ 1503

RESULT 74  
US-09-870-759-128  
;/ Sequence 128, Application US/09870759  
;/ Patent No. US20020177551A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: TERMAN, David S  
;/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
;/ FILE REFERENCE: 870759  
;/ CURRENT APPLICATION NUMBER: US/09/870,759  
;/ CURRENT FILING DATE: 2002-01-14  
;/ PRIOR APPLICATION NUMBER: US 60/208,128  
;/ PRIOR FILING DATE: 2000-05-30  
;/ NUMBER OF SEQ ID NOS: 166  
;/ SOFTWARE: PatentIn version 3.1  
;/ SEQ ID NO 128  
;/ LENGTH: 4563  
;/ TYPE: PRT  
;/ ORGANISM: Homo sapiens  
US-09-870-759-128

Query Match 0.5%; Score 8; DB 3; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1079 GTYGLSCQ 1086  
Db 1499 GTYGLSCQ 1506

RESULT 75  
US-09-802-640-32  
;/ Sequence 32, Application US/09802640  
;/ Publication No. US20030036057A1  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Braun, Andreas  
;/ APPLICANT: Bonasal Aruna  
;/ APPLICANT: Kleya Patrick  
;/ TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH  
;/ TITLE OF INVENTION: CARDIOVASCULAR DISEASE AND THEIR USE  
;/ FILE REFERENCE: 24736-2048  
;/ CURRENT APPLICATION NUMBER: US/09/802,640  
;/ CURRENT FILING DATE: 2001-03-09  
;/ NUMBER OF SEQ ID NOS: 122  
;/ SOFTWARE: FastSeq for Windows Version 4.0  
;/ SEQ ID NO 32  
;/ LENGTH: 4563  
;/ TYPE: PRT  
;/ ORGANISM: Homo sapien  
US-09-802-640-32

Query Match 0.5%; Score 8; DB 3; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1079 GTYGLSCQ 1086  
Db 1499 GTYGLSCQ 1506

RESULT 76  
US-09-751-708A-128  
;/ Sequence 128, Application US/09751708A

```
/ Publication No. US20030157113A1
/ GENERAL INFORMATION:
/ APPLICANT: TERMAN, David S
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
/ FILE REFERENCE: 751708
/ CURRENT APPLICATION NUMBER: US/09/751,708A
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: US 60/173,371
/ PRIOR FILING DATE: 1999-12-28
/ NUMBER OF SEQ. ID NOS: 166
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 128
/ LENGTH: 4563
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-09-751-708A-128

Query Match
Best Local Similarity 100.0%; Score 8; DB 3; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
Db 1499 GTYGLSCQ 1506

RESULT 77
US-10-403-902A-32
/ Sequence 32, Application US/10403902A
/ Publication No. US20030224418A1
/ GENERAL INFORMATION:
/ APPLICANT: Braun, Andreas
/ APPLICANT: Banesal, Aruna
/ APPLICANT: Kley, Patrick
/ TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: 24736-2048B
/ CURRENT APPLICATION NUMBER: US/10/403,902A
/ CURRENT FILING DATE: 2003-07-21
/ PRIOR APPLICATION NUMBER: 09/802,640
/ PRIOR FILING DATE: 2001-03-09
/ NUMBER OF SEQ. ID NOS: 122
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 32
/ LENGTH: 4563;
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-10-403-902A-32

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
Db 1499 GTYGLSCQ 1506

RESULT 78
US-10-741-601-432
/ Sequence 432, Application US/10741601
/ Publication No. US20040166519A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: CL001500
/ CURRENT APPLICATION NUMBER: US/10/741,601
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ. ID NOS: 26415
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 432
/ LENGTH: 4563
```

```
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-10-741-601-432

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
Db 1499 GTYGLSCQ 1506

RESULT 79
US-10-741-601-433
/ Sequence 433, Application US/10741601
/ Publication No. US20040166519A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ FILE REFERENCE: CL001500
/ CURRENT APPLICATION NUMBER: US/10/741,601
/ CURRENT FILING DATE: 2003-12-22
/ NUMBER OF SEQ. ID NOS: 26415
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 433
/ LENGTH: 4563
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-10-741-601-433

Query Match
Best Local Similarity 100.0%; Score 8; DB 4; Length 4563;
Pred. No. 1.9e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086
Db 1499 GTYGLSCQ 1506

RESULT 80
US-10-428-817A-124
/ Sequence 124, Application US/10428817A
/ Publication No. US20040214783A1
/ GENERAL INFORMATION:
/ APPLICANT: TERMAN, David S
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
/ FILE REFERENCE: 38373-189118
/ CURRENT APPLICATION NUMBER: US/10/428,817A
/ CURRENT FILING DATE: 2003-05-05
/ PRIOR APPLICATION NUMBER: US 60/378,988
/ PRIOR FILING DATE: 2002-05-08
/ PRIOR APPLICATION NUMBER: US 60/389,366
/ PRIOR FILING DATE: 2002-06-15
/ PRIOR APPLICATION NUMBER: US 60/406,697
/ PRIOR FILING DATE: 2002-08-28
/ PRIOR APPLICATION NUMBER: US 60/406,750
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: US 60/415,310
/ PRIOR FILING DATE: 2002-10-01
/ PRIOR APPLICATION NUMBER: US 60/415,400
/ PRIOR FILING DATE: 2002-10-02
/ PRIOR APPLICATION NUMBER: US 60/438,686
/ PRIOR FILING DATE: 2003-01-09
/ NUMBER OF SEQ. ID NOS: 224
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 124
/ LENGTH: 4563
/ TYPE: PRF
/ ORGANISM: Homo sapiens
US-10-428-817A-124
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Query Match 0.5%; Score 8; DB 4; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
Db 1499 GTYGLSCQ 1506

RESULT 81

US-10-741-600-1287  
; Sequence 1287, Application US/10741600  
; Publication No. US20050026169A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; FILE REFERENCE: CL001499  
; CURRENT APPLICATION NUMBER: US/10/741,600  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 73997  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1287  
; LENGTH: 4563  
; TYPE: PRF  
; ORGANISM: Homo sapiens  
US-10-741-600-1287

Query Match 0.5%; Score 8; DB 5; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
Db 1499 GTYGLSCQ 1506

RESULT 82

US-10-741-600-1288  
; Sequence 1288, Application US/10741600  
; Publication No. US20050026169A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; FILE REFERENCE: CL001499  
; CURRENT APPLICATION NUMBER: US/10/741,600  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 73997  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1288  
; LENGTH: 4563  
; TYPE: PRF  
; ORGANISM: Homo sapiens  
US-10-741-600-1288

Query Match 0.5%; Score 8; DB 5; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
Db 1499 GTYGLSCQ 1506

RESULT 83

US-10-868-577A-25  
; Sequence 25, Application US/10868577A  
; Publication No. US20050032697A1  
; GENERAL INFORMATION:  
; APPLICANT: Altalo et al.  
; TITLE OF INVENTION: HEPARIN BINDING VEGFR-3 LIGANDS  
; FILE REFERENCE: 28967/39359A

; CURRENT APPLICATION NUMBER: US/10/868,577A  
; CURRENT FILING DATE: 2004-06-14  
; PRIOR APPLICATION NUMBER: US 60/478,390  
; PRIOR FILING DATE: 2003-06-12  
; PRIOR APPLICATION NUMBER: US 10/669,176  
; PRIOR FILING DATE: 2003-09-23  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 25  
; LENGTH: 4563  
; TYPE: PRF  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (32)-(126)  
; OTHER INFORMATION: heparin binding domain  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (316)-(3236)  
; OTHER INFORMATION: heparin binding domain  
US-10-868-577A-25

Query Match 0.5%; Score 8; DB 5; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
Db 1499 GTYGLSCQ 1506

RESULT 84

US-10-937-758A-105  
; Sequence 105, Application US/10937758A  
; Publication No. US20050112141A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: FILE REFERENCE 650884  
; CURRENT APPLICATION NUMBER: US/10/937,758A  
; CURRENT FILING DATE: 2004-09-08  
; PRIOR APPLICATION NUMBER: 09/650,884  
; PRIOR FILING DATE: 2000-08-30  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 105  
; LENGTH: 4563  
; TYPE: PRF  
; ORGANISM: Homo sapiens  
US-10-937-758A-105

Query Match 0.5%; Score 8; DB 5; Length 4563;  
Best Local Similarity 100.0%; Pred. No. 1.9e+03;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
Db 1499 GTYGLSCQ 1506

RESULT 85

US-10-734-049A-169  
; Sequence 169, Application US/10734049A  
; Publication No. US20050042624A1  
; GENERAL INFORMATION:  
; APPLICANT: ITOH, Kyogo  
; APPLICANT: SHICHIGO, Shigeki  
; TITLE OF INVENTION: TUMOR ANTIGEN  
; FILE REFERENCE: Q-78382  
; CURRENT APPLICATION NUMBER: US/10/734,049A  
; CURRENT FILING DATE: 2003-12-12  
; PRIOR APPLICATION NUMBER: PCT/JP02/05799  
; PRIOR FILING DATE: 2002-06-11

;; PRIOR APPLICATION NUMBER: JP 2001/177058  
;; PRIOR FILING DATE: 2001-06-12  
;; PRIOR APPLICATION NUMBER: JP 2001/250728  
;; PRIOR FILING DATE: 2001-08-21  
;; NUMBER OF SEQ ID NOS: 408  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 169  
;; LENGTH: 10  
;; TYPE: PRT  
;; ORGANISM: Artificial  
;; FEATURE:  
;; OTHER INFORMATION: Designed peptide recognized by HLA-A2 restricted cytotoxic T  
;; OTHER INFORMATION: Lymphocytes  
US-10-734-049A-169

Query Match                    0.4%; Score 7; DB 5; Length 10;  
Best Local Similarity 100.0%; Pred. No. 78;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY                    436 VKELKEA 442  
                      |||||  
DB                    4 VKELKEA 10

RESULT 86  
US-09-852-370-31  
;; Sequence 31, Application US/09852370  
;; Publication No. US20030126624A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Pomerantz, Joel L.  
;; APPLICANT: Sharp, Phillip A.  
;; APPLICANT: Pabo, Carl O.  
;; TITLE OF INVENTION: Chimeric DNA-binding proteins  
;; FILE REFERENCE: APV-022.02  
;; CURRENT APPLICATION NUMBER: US/09/852,370  
;; CURRENT FILING DATE: 2001-05-10  
;; PRIOR APPLICATION NUMBER: 08/973,131  
;; PRIOR FILING DATE: 1997-11-26  
;; PRIOR APPLICATION NUMBER: PCT/US95/16982  
;; PRIOR FILING DATE: 1995-12-29  
;; PRIOR APPLICATION NUMBER: 08/366,083  
;; PRIOR FILING DATE: 1994-12-29  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 31  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: human  
US-09-852-370-31

Query Match                    0.4%; Score 7; DB 3; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY                    801 ALLTSQP 807  
                      |||||  
DB                    12 ALLTSQP 18

RESULT 87  
US-10-097-800B-3  
;; Sequence 3, Application US/10097800B  
;; Publication No. US20030105045A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Stanoevlic, Dusan  
;; TITLE OF INVENTION: Artificial Transcriptional Factors and Methods of Use  
;; FILE REFERENCE: 112824.122US2  
;; CURRENT APPLICATION NUMBER: US/10/097,800B  
;; CURRENT FILING DATE: 2002-12-23  
;; PRIOR APPLICATION NUMBER: US 09/077,852  
;; PRIOR FILING DATE: 2001-10-15  
;; PRIOR APPLICATION NUMBER: US 60/240,479  
;; PRIOR FILING DATE: 2000-10-13

;; NUMBER OF SEQ ID NOS: 12  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 3  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: synthetic composition useful as artificial transcriptional facto  
US-10-097-800B-3

Query Match                    0.4%; Score 7; DB 4; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY                    801 ALLTSQP 807  
                      |||||  
DB                    12 ALLTSQP 18

RESULT 88  
US-10-002-244-4  
;; Sequence 4, Application US/10002244  
;; Publication No. US20030143731A1  
;; GENERAL INFORMATION:  
;; APPLICANT: ARIAD Gene Therapeutics, Inc.  
;; TITLE OF INVENTION: Use of Heterologous Transcription Factors in Gene Therapy  
;; FILE REFERENCE: 346B USCL  
;; CURRENT APPLICATION NUMBER: US/10/002,244  
;; CURRENT FILING DATE: 2002-01-29  
;; NUMBER OF SEQ ID NOS: 68  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 4  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: homo sapien  
;; FEATURE:  
;; NAME/KEY: DOMAIN  
;; LOCATION: (1)..(18)  
;; OTHER INFORMATION: glutamine rich region of Oct-2  
US-10-002-244-4

Query Match                    0.4%; Score 7; DB 4; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY                    801 ALLTSQP 807  
                      |||||  
DB                    12 ALLTSQP 18

RESULT 89  
US-10-849-783-1  
;; Sequence 1, Application US/10849783  
;; Publication No. US20050165225A1  
;; GENERAL INFORMATION:  
;; APPLICANT: HAYAKAWA, YOICHI  
;; TITLE OF INVENTION: NOVEL CYTOKINE ISOLATED FROM AN INSECT  
;; FILE REFERENCE: 253546USO  
;; CURRENT APPLICATION NUMBER: US/10/849,783  
;; CURRENT FILING DATE: 2004-05-21  
;; PRIOR APPLICATION NUMBER: JP 2003-146551  
;; PRIOR FILING DATE: 2003-05-23  
;; NUMBER OF SEQ ID NOS: 3  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 1  
;; LENGTH: 19  
;; TYPE: PRT  
;; ORGANISM: Lucilia cuprina  
US-10-849-783-1

Query Match                    0.4%; Score 7; DB 5; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1132 LSAPSNC 1138  
Db 3 LSAPSNC 9

RESULT 90  
US-10-849-783-3  
; Sequence 3, Application US/10849783  
; Publication No. US20050165225A1  
; GENERAL INFORMATION:  
; APPLICANT: HAYAKAWA, YOICHI  
; TITLE OF INVENTION: NOVEL CYTOKINE ISOLATED FROM AN INSECT  
; FILE REFERENCE: 253546US0  
; CURRENT APPLICATION NUMBER: US/10/849,783  
; CURRENT FILING DATE: 2004-05-21  
; PRIOR APPLICATION NUMBER: JP 2003-146551  
; PRIOR FILING DATE: 2003-05-23  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Lucilia cuprina  
US-10-849-783-3

Query Match 0.4%; Score 7; DB 5; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1132 LSAPSNC 1138  
Db 3 LSAPSNC 9

RESULT 91  
US-10-225-567A-1927  
; Sequence 1927, Application US/10225567A  
; Publication No. US20030113798A1  
; GENERAL INFORMATION:  
; APPLICANT: Lifespan Biosciences  
; APPLICANT: Brown, Joseph P.  
; APPLICANT: Burner, Glenna C.  
; APPLICANT: Roubi, Christine L.  
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS  
; FILE REFERENCE: 1920-4-4  
; CURRENT APPLICATION NUMBER: US/10/225,567A  
; CURRENT FILING DATE: 2001-12-19  
; PRIOR APPLICATION NUMBER: 60/257,144  
; PRIOR FILING DATE: 2000-12-19  
; NUMBER OF SEQ ID NOS: 2292  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1927  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-225-567A-1927

Query Match 0.4%; Score 7; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35 RRERLL 41  
Db 6 RRERLL 12

RESULT 92  
US-09-759-287A-5  
; Sequence 5, Application US/09759287A  
; Patent No. US20020064861A1  
; GENERAL INFORMATION:  
; APPLICANT: The Board of Regents of the University of Nebraska

; TITLE OF INVENTION: IDENTIFICATION OF VIRULENCE DETERMINANTS  
; FILE REFERENCE: UNL 2999.1  
; CURRENT APPLICATION NUMBER: US/09/759,287A  
; CURRENT FILING DATE: 2001-01-11  
; PRIOR APPLICATION NUMBER: US 60/175,433  
; PRIOR FILING DATE: 2000-01-11  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 23  
; TYPE: PRT  
; ORGANISM: Mycobacterium paratuberculosis  
US-09-759-287A-5

Query Match 0.4%; Score 7; DB 3; Length 23;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1117 VGISAVA 1123  
Db 6 VGISAVA 12

RESULT 93  
US-10-862-195-369  
; Sequence 369, Application US/10862195  
; Publication No. US20050164324A1  
; GENERAL INFORMATION:  
; APPLICANT: GYGI, STEVEN P.  
; TITLE OF INVENTION: SYSTEMS, METHODS AND KITS FOR CHARACTERIZING PHOSPHOPROTEOMES  
; FILE REFERENCE: 58890(70207)  
; CURRENT APPLICATION NUMBER: US/10/862,195  
; CURRENT FILING DATE: 2004-06-04  
; PRIOR APPLICATION NUMBER: 60/476,010  
; PRIOR FILING DATE: 2003-06-04  
; NUMBER OF SEQ ID NOS: 2245  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 369  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: See specification as filed for preferred embodiments  
US-10-862-195-369

Query Match 0.4%; Score 7; DB 5; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1419 ECPPPPS 1425  
Db 13 ECPPPPS 19

RESULT 94  
US-10-425-115-260188  
; Sequence 260188, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53232)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 260188  
; LENGTH: 41  
; TYPE: PRT

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; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_168909C.1.pep
US-10-425-115-260188

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 41;
Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 622 QTNKSLT 628
Db 18 QTNKSLT 24

RESULT 95
US-10-724-972A-4501
; Sequence 4501, Application US/10724972A
; Publication No. US20040147734A1
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: PATH03-16
; CURRENT APPLICATION NUMBER: US/10/724,972A
; CURRENT FILING DATE: 2003-12-01
; PRIOR APPLICATION NUMBER: 09/450,969
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: 09/134,001
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 7544
; SEQ ID NO 4501
; LENGTH: 50
; TYPE: PRT
; ORGANISM: S.epidermidis
US-10-724-972A-4501

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 50;
Pred. No. 3.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1474 VKVQSIIV 1480
Db 7 VKVQSIIV 13

RESULT 96
US-10-424-599-185684
; Sequence 185684, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 185684
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(53)
; OTHER INFORMATION: unsure at all Xaa locations
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```
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_138687C.1.pep
US-10-424-599-185684

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 53;
Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 SSRIGLS 1133
Db 45 SSRIGLS 51

RESULT 97
US-10-425-115-270141
; Sequence 270141, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 270141
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_177965C.1.pep
US-10-425-115-270141

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 55;
Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 259 SPLQPL 265
Db 31 SPLQPL 37

RESULT 98
US-10-425-115-300521
; Sequence 300521, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 300521
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_37144C.1.pep
US-10-425-115-300521

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 56;
Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1361 VCEPPPP 1367
```

DB 13 VCEPPE 19

## RESULT 99

US-10-029-386-30928  
; Sequence 30928, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
; FILE REFERENCE: AEWICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 30928  
; LENGTH: 58  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AF015726.1  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN PETAL LIVER, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1  
; OTHER INFORMATION: SWISSPROT HIT: Q02362, EVALU8 8.00e+00  
US-10-029-386-30928

Query Match 0.4%; Score 7; DB 4; Length 58;  
Best Local Similarity 100.0%; Pred. No. 3.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 800 AALLTSQ 806  
DB 37 AALLTSQ 43

## RESULT 100

US-10-424-599-205515  
; Sequence 205515, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 205515  
; LENGTH: 59  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_27608C.1.pap  
US-10-424-599-205515

Query Match 0.4%; Score 7; DB 4; Length 59;  
Best Local Similarity 100.0%; Pred. No. 3.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1338 RNKLTKI 1344  
DB 38 RNKLTKI 44

## RESULT 101

US-10-424-599-251780  
; Sequence 251780, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 251780  
; LENGTH: 59  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_69385C.1.pap  
US-10-424-599-251780

Query Match 0.4%; Score 7; DB 4; Length 59;  
Best Local Similarity 100.0%; Pred. No. 3.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1105 TTSVLIN 1111  
DB 19 TTSVLIN 25

## RESULT 102

US-10-276-774-2094  
; Sequence 2094, Application US/10276774  
; Publication No. US20040053245A1  
; GENERAL INFORMATION:  
; APPLICANT: Hysq, Inc.  
; APPLICANT: Tang, Y, Tom et al  
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides  
; FILE REFERENCE: 21272-030  
; CURRENT APPLICATION NUMBER: US/10/276,774  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: 09/560,875  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: 09/496,914  
; PRIOR FILING DATE: 2000-02-03  
; NUMBER OF SEQ ID NOS: 2700  
; SOFTWARE: Custom  
; SEQ ID NO 2094  
; LENGTH: 59  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-276-774-2094

Query Match 0.4%; Score 7; DB 4; Length 59;  
Best Local Similarity 100.0%; Pred. No. 3.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124  
DB 26 GISAVAL 32

## RESULT 103

US-10-424-599-194952  
; Sequence 194952, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei



```
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 194952
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(60)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_18069C.1.pep
US-10-424-599-194952
```

```
Query Match          0.4%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      610 PTPPIPI 616
DB      30 PTPPIPI 36
```

```
RESULT 104
US-10-425-115-187628
; Sequence 187628, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 187628
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(60)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_102701C.1.pep
US-10-425-115-187628
```

```
Query Match          0.4%; Score 7; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      719 STELLFQ 725
DB      31 STELLFQ 37
```

```
RESULT 105
US-10-450-763-44502
; Sequence 44502, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; APPLICANT: Li, Ping
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
```

```
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 44502
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-44502
```

```
Query Match          0.4%; Score 7; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1405 LMTQEPK 1411
DB      45 LMTQEPK 51
```

```
RESULT 106
US-10-424-599-229240
; Sequence 229240, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 229240
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_49029C.1.pep
US-10-424-599-229240
```

```
Query Match          0.4%; Score 7; DB 4; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      480 GGIVLSP 486
DB      42 GGIVLSP 48
```

```
RESULT 107
US-10-437-963-128751
; Sequence 128751, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
```

/ NUMBER OF SEQ ID NOS: 204966  
/ SEQ ID NO 128751  
/ LENGTH: 61  
/ TYPE: PRT  
/ ORGANISM: Oryza sativa  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT4530\_31075C.1.pep  
US-10-437-963-128751

Query Match 0.4%; Score 7; DB 4; Length 61;  
Best Local Similarity 100.0%; Pred. No. 3.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 RSLILGG 177  
Db 42 RSLILGG 48

RESULT 108  
US-10-424-599-273193  
/ Sequence 273193, Application US/10424599  
/ Publication No. US20040031072A1  
/ GENERAL INFORMATION:  
/ APPLICANT: La Rosa Thomas J  
/ APPLICANT: Kovalic David K  
/ APPLICANT: Zhou Yihua  
/ APPLICANT: Cao Yongwei  
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
/ FILE REFERENCE: 38-21(53223)B  
/ CURRENT APPLICATION NUMBER: US/10/424,599  
/ CURRENT FILING DATE: 2003-04-28  
/ NUMBER OF SEQ ID NOS: 285684  
/ SEQ ID NO 273193  
/ LENGTH: 66  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT3847\_98715C.1.pep  
US-10-424-599-273193

Query Match 0.4%; Score 7; DB 4; Length 66;  
Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1065 TLYLTDV 1071  
Db 28 TLYLTDV 34

RESULT 109  
US-10-424-599-265708  
/ Sequence 265708, Application US/10424599  
/ Publication No. US20040031072A1  
/ GENERAL INFORMATION:  
/ APPLICANT: La Rosa Thomas J  
/ APPLICANT: Kovalic David K  
/ APPLICANT: Zhou Yihua  
/ APPLICANT: Cao Yongwei  
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
/ FILE REFERENCE: 38-21(53223)B  
/ CURRENT APPLICATION NUMBER: US/10/424,599  
/ CURRENT FILING DATE: 2003-04-28  
/ NUMBER OF SEQ ID NOS: 285684  
/ SEQ ID NO 265708  
/ LENGTH: 67  
/ TYPE: PRT  
/ ORGANISM: Glycine max  
/ FEATURE:  
/ OTHER INFORMATION: Clone ID: PAT\_MRT3847\_91955C.1.pep  
US-10-424-599-265708

Query Match 0.4%; Score 7; DB 4; Length 67;  
Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1161 DSCPSLL 1167  
Db 4 DSCPSLL 10

RESULT 110  
US-10-371-264-51  
/ Sequence 51, Application US/10371264  
/ Publication No. US20030232061A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Haller, Aurelia  
/ APPLICANT: Tang, Roderick  
/ TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS  
/ TITLE OF INVENTION: EXPRESSION SYSTEMS AND VACCINES  
/ TITLE OF INVENTION: COMBINING HETEROLOGOUS ANTIGENS  
/ FILE REFERENCE: 7682-067-999  
/ CURRENT APPLICATION NUMBER: US/10/371,264  
/ CURRENT FILING DATE: 2003-02-21  
/ PRIOR APPLICATION NUMBER: 60/358,934  
/ PRIOR FILING DATE: 2002-02-21  
/ NUMBER OF SEQ ID NOS: 327  
/ SOFTWARE: FastSeq for Windows Version 4.0  
/ SEQ ID NO 51  
/ LENGTH: 71  
/ TYPE: PRT  
/ ORGANISM: human Metapneumo virus  
US-10-371-264-51

Query Match 0.4%; Score 7; DB 4; Length 71;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KELKEAL 443  
Db 36 KELKEAL 42

RESULT 111  
US-10-371-099-347  
/ Sequence 347, Application US/10371099  
/ Publication No. US2003023226A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Haller, Aurelia  
/ APPLICANT: Tang, Roderick  
/ APPLICANT: Fouchier, Ronaldus  
/ APPLICANT: Van Den Hoogen, Bernadetta  
/ APPLICANT: Osterhaus, Albertus  
/ TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR  
/ TITLE OF INVENTION: USE IN VACCINE FORMULATIONS AND AS  
/ TITLE OF INVENTION: VECTORS FOR EXPRESSION OF  
/ FILE REFERENCE: 7682-063-999  
/ CURRENT APPLICATION NUMBER: US/10/371,099  
/ CURRENT FILING DATE: 2003-02-21  
/ NUMBER OF SEQ ID NOS: 389  
/ SOFTWARE: FastSeq for Windows Version 4.0  
/ SEQ ID NO 347  
/ LENGTH: 71  
/ TYPE: PRT  
/ ORGANISM: human metapneumo virus  
US-10-371-099-347

Query Match 0.4%; Score 7; DB 4; Length 71;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KELKEAL 443  
|||||||

```
Db          36 KELKEAL 42

RESULT 112
US-10-371-122-347
; Sequence 347, Application US/10371122
; Publication No. US20040005544A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
; TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR
; TITLE OF INVENTION: USE IN VACCINE FORMULATIONS AND AS
; TITLE OF INVENTION: VECTORS FOR EXPRESSION OF
; FILE REFERENCE: 7682-066-999
; CURRENT APPLICATION NUMBER: US/10/371.122
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 389
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-371-122-347

Query Match          0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          437 KELKEAL 443
          |||||
          |||||

Db          36 KELKEAL 42

RESULT 113
US-10-373-567-51
; Sequence 51, Application US/10373567
; Publication No. US20040005545A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS
; TITLE OF INVENTION: EXPRESSION SYSTEMS AND VACCINES
; TITLE OF INVENTION: COMBINING HETEROLOGOUS ANTIGENS
; FILE REFERENCE: 7682-061-999
; CURRENT APPLICATION NUMBER: US/10/373.567
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 60/358,934
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-373-567-51

Query Match          0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          437 KELKEAL 443
          |||||
          |||||

Db          36 KELKEAL 42

RESULT 114
US-10-424-599-206911
; Sequence 206911, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovacic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424.599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 206911
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_28868C.1.pep
US-10-424-599-206911

Query Match          0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1052 DGLVPG 1058
          |||||
          |||||

Db          26 DGLVPG 32

RESULT 115
US-10-628-088-347
; Sequence 347, Application US/10628088
; Publication No. US20040096451A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Kiener, Peter
; APPLICANT: Osterhaus, Albertus
; APPLICANT: Fouchier, Ronaldus
; TITLE OF INVENTION: METHODS OF TREATING AND PREVENTING
; TITLE OF INVENTION: RSV, HMPV, AND PIV USING ANTI-RSV,
; FILE REFERENCE: 10271-072-999
; CURRENT APPLICATION NUMBER: US/10/628.088
; CURRENT FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 60/398,475
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-628-088-347

Query Match          0.4%; Score 7; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          437 KELKEAL 443
          |||||
          |||||

Db          36 KELKEAL 42

RESULT 116
US-10-831-780-347
; Sequence 347, Application US/10831780
; Publication No. US20050019891A1
; GENERAL INFORMATION:
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
```

```

; TITLE OF INVENTION: METAPNEUMOVIRUS STRAINS AND THEIR USE IN VACCINE FORMULATIONS AND
; TITLE OF INVENTION: VECTORS FOR EXPRESSION OF ANTIGENIC SEQUENCES AND METHODS FOR
; TITLE OF INVENTION: PROPAGATING VIRUS
; FILE REFERENCE: 7682-112-999
; CURRENT APPLICATION NUMBER: US/10/831,780
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: 60/465,811
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: 60/466,776
; PRIOR FILING DATE: 2003-04-30
; PRIOR APPLICATION NUMBER: 60/480,658
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/498,640
; PRIOR FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/550,911
; PRIOR FILING DATE: 2004-03-04
; NUMBER OF SEQ ID NOS: 389
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human metapneumo virus
US-10-831-780-347
```

```

Query Match          0.4%; Score 7; DB 5; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      437 KELKEAL 443
        |||||
Db       36 KELKEAL 42
```

```

RESULT 117
US-10-831-781-51
; Sequence 51, Application US/10831781
; Publication No. US20050142148A1
; GENERAL INFORMATION:
; APPLICANT: Fouchier, Ronaldus
; APPLICANT: Van Den Hoogen, Bernadetta
; APPLICANT: Osterhaus, Albertus
; APPLICANT: Haller, Aurelia
; APPLICANT: Tang, Roderick
; TITLE OF INVENTION: RECOMBINANT PARAINFLUENZA VIRUS EXPRESSION SYSTEMS AND VACCINES
; TITLE OF INVENTION: COMPRISING HETEROLOGOUS ANTIGENS DERIVED FROM METAPNEUMOVIRUS
; FILE REFERENCE: 7682-111-999
; CURRENT APPLICATION NUMBER: US/10/831,781
; CURRENT FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: 60/466,181
; PRIOR FILING DATE: 2003-04-25
; PRIOR APPLICATION NUMBER: 60/499,274
; PRIOR FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/550,931
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 71
; TYPE: PRT
; ORGANISM: human Metapneumo virus
US-10-831-781-51
```

```

Query Match          0.4%; Score 7; DB 5; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      437 KELKEAL 443
        |||||
Db       36 KELKEAL 42
```

```

RESULT 118
US-10-437-963-147197
```

```

; Sequence 147197, Application US/10437963
; Publication No. US2004012343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 147197
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_47748C.1.psp
US-10-437-963-147197
```

```

Query Match          0.4%; Score 7; DB 4; Length 72;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      98 KGRDAR 104
        |||||
Db       26 KGRDAR 32
```

```

RESULT 119
US-10-450-763-54585
; Sequence 54585, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 54585
; LENGTH: 72
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(72)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-54585
```

```

Query Match          0.4%; Score 7; DB 5; Length 72;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      918 CVGEPRL 924
        |||||
Db       39 CVGEPRL 45
```

```

RESULT 120
US-10-437-963-131823
```

```
; Sequence 131823, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barzak, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 131823
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_33852C.1.pep
US-10-437-963-131823

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 75;
Pred. No. 4.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 513 KGVSE 519
DB 39 KGVSE 45

RESULT 121
US-10-501-282-5414
; Sequence 5414, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: McMICHAEL, JOHN CALHOUN
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID PARRISH
; APPLICANT: FLETCHER, LEMAH DIANE
; TITLE OF INVENTION: ALLOTOCOCCLUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: AM100780 L2
; CURRENT APPLICATION NUMBER: US/10/501,282
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: 60/333,777
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 60/426,742
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: PCT/US02/36123
; PRIOR FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5414
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Allotococcus otitidis
US-10-501-282-5414

Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 75;
Pred. No. 4.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1022 GSUXED 1028
DB 69 GSUXED 75

RESULT 122
US-10-424-599-187334
```

```
; Sequence 187334, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 187334
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_140174C.1.pep
US-10-424-599-187334

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 76;
Pred. No. 4.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 LVTTASF 227
DB 27 LVTTASF 33

RESULT 123
US-10-424-599-275637
; Sequence 275637, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 275637
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90920C.1.pep
US-10-424-599-275637

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 76;
Pred. No. 4.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 719 SLELRFQ 725
DB 16 SLELRFQ 22

RESULT 124
US-10-425-115-251006
; Sequence 251006, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
```

```
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 251006
; LENGTH: 79
; TYPE: PRP
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_160504C.1.pep
US-10-425-115-251006

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 79;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 923 SLCYME 929
DB 4 SLCYME 10

RESULT 125
US-10-437-963-154413
; Sequence 154413, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 154413
; LENGTH: 80
; TYPE: PRP
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_54276C.1.pep
US-10-437-963-154413

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 80;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 34 GRRRL 40
DB 29 GRRRL 35

RESULT 126
US-10-437-963-178946
; Sequence 178946, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 154413
; LENGTH: 80
; TYPE: PRP
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_54276C.1.pep
US-10-437-963-154413

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 81;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1039 PGEARAI 1045
DB 23 PGEARAI 29

RESULT 127
US-10-424-599-285530
; Sequence 285530, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 285530
; LENGTH: 82
; TYPE: PRP
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_99863C.1.pep
US-10-424-599-285530

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 82;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 812 CSGCRPV 818
DB 68 CSGCRPV 74

RESULT 128
US-10-425-115-260925
; Sequence 260925, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 260925
; LENGTH: 86
; TYPE: PRP
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169578C.1.pep
US-10-425-115-260925
```

US-10-425-115-260925

Query Match 0.4%; Score 7; DB 4; Length 86;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 LRRPEVL 46  
|||||  
DB 58 LRRPEVL 64

RESULT 129

US-10-425-115-215995  
; Sequence 215995, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ. ID NOS: 369326  
; SEQ. ID NO 215995  
; LENGTH: 89  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_128583C.1.pep  
US-10-425-115-215995

Query Match 0.4%; Score 7; DB 4; Length 89;  
Best Local Similarity 100.0%; Pred. No. 5.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 RLRLRPE 44  
|||||  
DB 37 RLRLRPE 43

RESULT 130

US-10-425-115-272244  
; Sequence 272244, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ. ID NOS: 369326  
; SEQ. ID NO 272244  
; LENGTH: 94  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_179876C.1.pep  
US-10-425-115-272244

Query Match 0.4%; Score 7; DB 4; Length 94;  
Best Local Similarity 100.0%; Pred. No. 5.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 DVLVTAS 226  
|||||  
DB 60 DVLVTAS 66

RESULT 131

US-10-425-115-271618  
; Sequence 271618, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ. ID NOS: 369326  
; SEQ. ID NO 271618  
; LENGTH: 95  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_179309C.1.pep  
US-10-425-115-271618

Query Match 0.4%; Score 7; DB 4; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 448 THRPLNTY 454  
|||||  
DB 16 THRPLNTY 22

RESULT 132

US-10-424-599-207426  
; Sequence 207426, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ. ID NOS: 285684  
; SEQ. ID NO 207426  
; LENGTH: 96  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(96)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_29330C.1.pep  
US-10-424-599-207426

Query Match 0.4%; Score 7; DB 4; Length 96;  
Best Local Similarity 100.0%; Pred. No. 5.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1252 FLKRCST 1258  
|||||  
DB 14 FLKRCST 20

RESULT 133

US-10-425-115-347279  
; Sequence 347279, Application US/10425115

```
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants
/ FILE REFERENCE: 38-21(53222)B
/ CURRENT APPLICATION NUMBER: US/10/425,115
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 369326
/ SEQ ID NO 347279
/ LENGTH: 96
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MRT4577_79882C.1.pep
US-10-425-115-347279
```

```
Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 96;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 115 KKATILI 121
Db 26 KKATILI 32
```

```
RESULT 134
US-10-450-763-30900
/ Sequence 30900, Application US/10450763
/ Publication No. US20050196754A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyseq, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 790CIP3/US
/ CURRENT APPLICATION NUMBER: US/10/450,763
/ CURRENT FILING DATE: 2003-06-11
/ PRIOR APPLICATION NUMBER: PCT/US01/08631
/ PRIOR FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/540,217
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 09/549,167
/ PRIOR FILING DATE: 2000-08-23
/ NUMBER OF SEQ ID NOS: 60736
/ SOFTWARE: Custom
/ SEQ ID NO 30900
/ LENGTH: 98
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(98)
/ OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-30900
```

```
Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 98;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 864 GELGENS 870
Db 51 GELGENS 57
```

```
RESULT 135
US-10-425-115-237040
/ Sequence 237040, Application US/10425115
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
```

```
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants
/ FILE REFERENCE: 38-21(53222)B
/ CURRENT APPLICATION NUMBER: US/10/425,115
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 369326
/ SEQ ID NO 237040
/ LENGTH: 99
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MRT4577_147769C.1.pep
US-10-425-115-237040
```

```
Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 99;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1472 BPVKVQS 1478
Db 27 BPVKVQS 33
```

```
RESULT 136
US-10-437-963-151997
/ Sequence 151997, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Bardazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 151997
/ LENGTH: 101
/ TYPE: PRT
/ ORGANISM: Oryza sativa
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)..(101)
/ OTHER INFORMATION: unsure at all Xaa locations
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_52091C.1.pep
US-10-437-963-151997
```

```
Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 101;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1052 DGLVPGE 1058
Db 5 DGLVPGE 11
```

```
RESULT 137
US-10-282-122A-47933
/ Sequence 47933, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Lianguu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
```



```

; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47933
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
; US-10-282-122A-47933

Query Match      0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDCKGR 101
Db      15 GKDCKGR 21

RESULT 138
US-10-282-122A-49031
; Sequence 49031, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
```

```

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49031
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
; US-10-282-122A-49031

Query Match      0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      95 GKDCKGR 101
Db      15 GKDCKGR 21

RESULT 139
US-10-282-122A-50686
; Sequence 50686, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
```

```
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining prior Application data removed - See file Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: Patent version 3.1
/ SEQ ID NO 50666
/ LENGTH: 102
/ TYPE: PRT
/ ORGANISM: Burkholderia mallei
US-10-282-122A-50686
```

```
Query Match          0.4%; Score 7; DB 4; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          95 GMDKGR 101
           |||||
Db          15 GMDKGR 21
```

```
RESULT 140
US-10-501-282-5056
/ Sequence 5056, Application US/10501282
/ Publication No. US20050203280A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: MCWITCHEL, JOHN CALHOUN
/ APPLICANT: ZAGURSKY, ROBERT JOHN
/ APPLICANT: RUSSELL, DAVID PARRISH
/ APPLICANT: FLETCHER, LEAH DIANE
/ TITLE OF INVENTION: ALLOTOCOCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
/ TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
/ FILE REFERENCE: AML00780 L2
/ CURRENT APPLICATION NUMBER: US/10/501,282
/ PRIOR FILING DATE: 2004-07-09
/ PRIOR APPLICATION NUMBER: 60/333,777
/ PRIOR FILING DATE: 2001-11-29
/ PRIOR APPLICATION NUMBER: 60/426,742
/ PRIOR FILING DATE: 2002-11-18
/ PRIOR APPLICATION NUMBER: PCT/US02/36123
/ PRIOR FILING DATE: 2002-11-25
/ NUMBER OF SEQ ID NOS: 6653
/ SOFTWARE: Patent version 3.2
/ SEQ ID NO 5056
/ LENGTH: 102
/ TYPE: PRT
/ ORGANISM: Alloiococcus otitidis
US-10-501-282-5056
```

```
Query Match          0.4%; Score 7; DB 5; Length 102;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          173 LLLGGDS 179
           |||||
Db          39 LLLGGDS 45
```

```
RESULT 141
US-09-815-242-11108
/ Sequence 1108, Application US/09815242
/ Patent No. US20020061569A1
/ GENERAL INFORMATION:
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari L.
/ APPLICANT: Zyskind, Judith W.
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John D.
/ APPLICANT: Carr, Grant J.
/ APPLICANT: Yamamoto, Robert T.
/ APPLICANT: Xu, H. Howard
```

```
/ TITLE OF INVENTION: Identification of Essential Genes in
/ FILE REFERENCE: ELITRA.011A
/ CURRENT APPLICATION NUMBER: US/09/815,242
/ PRIOR FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ NUMBER OF SEQ ID NOS: 14110
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11108
/ LENGTH: 103
/ TYPE: PRT
/ ORGANISM: Haemophilus influenzae
US-09-815-242-11108
```

```
Query Match          0.4%; Score 7; DB 3; Length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY          95 GMDKGR 101
           |||||
Db          16 GMDKGR 22
```

```
RESULT 142
US-10-282-122A-46575
/ Sequence 46575, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
```

```

; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46575
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Bacillus anthracis
US-10-282-122A-46575
```

```
Query Match          0.4%; Score 7; DB 4; Length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      94 GSKDKGR 100
Db      13 GSKDKGR 19
```

```
RESULT 143
US-10-282-122A-58297
; Sequence 58297; Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
```

```

; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
```

```

; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
```

```

; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
```

```

; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
```

```

; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
```

```

; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
```

```

; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
```

```

; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
```

```

; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
```

```

; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
```

```

; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
```

```

; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```

; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
```

```

; SEQ ID NO 58297
; LENGTH: 103
```

```

; TYPE: PRT
; ORGANISM: Haemophilus influenzae
```

```
US-10-282-122A-58297
```

```
Query Match          0.4%; Score 7; DB 4; Length 103;
```

```
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GSKDKGR 101
Db      16 GSKDKGR 22
```

```
RESULT 144
US-10-424-599-225215
; Sequence 225215; Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
```

```

; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovacic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 225215
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
```

```

; OTHER INFORMATION: Clone ID: PAT_MRT3847_4539C.1.pep
US-10-424-599-225215
```

```
Query Match          0.4%; Score 7; DB 4; Length 103;
Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1232 GVPDPSSL 1238
Db      97 GVPDPSSL 103
```

```
RESULT 145
```

```
US-09-741-669-297
; Sequence 297; Application US/09741669
; Patent No. US20020022718A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Ohlsen, Kari L.
```

```

; APPLICANT: Zyskind, Judith W.
; TITLE OF INVENTION: Genes identified as required for
```

```

; TITLE OF INVENTION: proliferation of E. coli
; FILE REFERENCE: ELITRA.009A
```

```

; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 60/173005
```

```

; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 481
```

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 297
```

```

; LENGTH: 104
; TYPE: PRT
```

```

; ORGANISM: Escherichia coli
US-09-741-669-297
```

```
Query Match          0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GSKDKGR 101
Db      16 GSKDKGR 22
```

```
RESULT 146
```

```
US-09-912-020-321
; Sequence 321, Application US/09912020
; Patent No. US20020045592A1
; GENERAL INFORMATION:
; APPLICANT: Zyckind, Judith
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Trawick, John
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Froelich, Jamie M.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN
; FILE REFERENCE: ELITRA.0010V1
; CURRENT APPLICATION NUMBER: US/09/912,020
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/492,709
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/117,405
; PRIOR FILING DATE: 1999-01-27
; NUMBER OF SEQ ID NOS: 485
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3212
; LENGTH: 104
; TYPE: PRT
; ORGANISM: E. Coli
US-09-912-020-321

Query Match          0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDQGR 101
DB 16 GKDQGR 22

RESULT 147
US-09-815-242-5168
; Sequence 5168, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyckind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5168
```

```
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5168

Query Match          0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDQGR 101
DB 15 GKDQGR 21

RESULT 148
US-09-815-242-10348
; Sequence 10348, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyckind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10348
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-815-242-10348

Query Match          0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDQGR 101
DB 16 GKDQGR 22

RESULT 149
US-09-815-242-14107
; Sequence 14107, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyckind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
```

```

; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14107
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Salmonella typhi
; FEATURES:
; NAME/KEY: VARIANT
; LOCATION: (1)...(104)
; OTHER INFORMATION: Xaa = Any Amino Acid
; US-09-815-242-14107
```

```
Query Match          0.4%; Score 7; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDQKGR 101
        |||||
Db       16 GKDQKGR 22
```

```

RESULT 150
; US-10-287-274-323
; Sequence 323, Application US/10287274
; Publication No. US20030181408A1
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERETC
; FILE REFERENCE: ELITRA.008DV1
; CURRENT APPLICATION NUMBER: US/10/287,274
; CURRENT FILING DATE: 2002-10-31
; PRIOR APPLICATION NUMBER: US 60/164415
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: US 09/711164
; PRIOR FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 323
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-287-274-323
```

```
Query Match          0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDQKGR 101
        |||||
```

```
Db       16 GKDQKGR 22
```

```

RESULT 151
; US-10-282-122A-42716
; Sequence 42716, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Lianguu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42716
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-282-122A-42716
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Query Match          0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      95 GKDQKGR 101
        |||||
Db       16 GKDQKGR 22
```

```

RESULT 152
; US-10-282-122A-43483
; Sequence 43483, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Lianguu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
```

```
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 43483
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-10-282-122A-43483

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 104;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 GKDGRK 101
Db 15 GKDGRK 21

RESULT 153
US-10-282-122A-56112
/ Sequence 56112, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Haselbeck, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
```

```
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 56112
/ LENGTH: 104
/ TYPE: PRT
/ ORGANISM: Enterobacter cloacae
US-10-282-122A-56112

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 104;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 GKDGRK 101
Db 16 GKDGRK 22

RESULT 154
US-10-282-122A-60112
/ Sequence 60112, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Haselbeck, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
```

```

; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60112
; LENGTH: 104
; TYPE: PRF
; ORGANISM: Klebsiella pneumoniae
US-10-282-122A-60112
```

```

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY      95 GKDQKR 101
DB      16 GKDQKR 22
```

```

RESULT 155
US-10-282-122A-67824
; Sequence 67824, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67824
; LENGTH: 104
; TYPE: PRF
; ORGANISM: Pseudomonas putida
US-10-282-122A-67824
```

```

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY      95 GKDQKR 101
DB      15 GKDQKR 21
```

```

RESULT 156
US-10-282-122A-69234
; Sequence 69234, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT FILING DATE: 2003-02-20
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69234
; LENGTH: 104
; TYPE: PRF
; ORGANISM: Pseudomonas syringae
US-10-282-122A-69234
```

```

Query Match      0.4%; Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY      95 GKDQKR 101
DB      15 GKDQKR 21
```

```

RESULT 157
US-10-282-122A-73568
; Sequence 73568, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
```

```
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 73568
/ LENGTH: 104
/ TYPE: PRF
/ ORGANISM: Salmonella paratyphi A
US-10-282-122A-73568

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 104;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 GMDKGR 101
Db 16 GMDKGR 22

RESULT 158
US-10-282-122A-75721
/ Sequence 75721, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Lianguu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
```

```
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 75721
/ LENGTH: 104
/ TYPE: PRF
/ ORGANISM: Salmonella typhi
US-10-282-122A-75721

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 104;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 GMDKGR 101
Db 16 GMDKGR 22

RESULT 159
US-10-282-122A-78268
/ Sequence 78268, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Lianguu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
```



```

; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78268
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Yersinia pestis
US-10-282-122A-78268
```

```
Query Match          0.4%: Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      95 GKDGRK 101
Db      16 GKDGRK 22
```

```

RESULT 160
US-10-425-114-50705
; Sequence 50705, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 50705
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3957-001-A3_F11.pep
US-10-425-114-50705
```

```
Query Match          0.4%: Score 7; DB 4; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1303 LLLPHCL 1309
Db      55 LLLPHCL 61
```

```

RESULT 161
US-10-771-241-321
; Sequence 321, Application US/10771241
; Publication No. US2004024175A1
; GENERAL INFORMATION:
; APPLICANT: Zykkind, Judith
; APPLICANT: Foreyth, R. Allyn
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN
; FILE REFERENCE: ESCHERICHIA COLI
; CURRENT APPLICATION NUMBER: US/10/771,241
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: 09/492,709
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 60/117,405
; PRIOR FILING DATE: 1999-01-27
```

```

; NUMBER OF SEQ ID NOS: 485
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 321
; LENGTH: 104
; TYPE: PRT
; ORGANISM: E. Coli
US-10-771-241-321
```

```
Query Match          0.4%: Score 7; DB 5; Length 104;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      95 GKDGRK 101
Db      16 GKDGRK 22
```

```

RESULT 162
US-09-738-973-113
; Sequence 113, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Pling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mamion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-738-973-113
```

```
Query Match          0.4%: Score 7; DB 3; Length 107;
Best Local Similarity 100.0%; Pred. No. 6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1419 ECPPPPS 1425
Db      87 ECPPPPS 93
```

```

RESULT 163
US-09-854-133-113
; Sequence 113, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
```

SEQ ID NO 113  
LENGTH: 107  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-854-133-113

Query Match 0.4%; Score 7; DB 3; Length 107;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPS 1425  
DB 87 ECPPPS 93

RESULT 164  
US-10-144-649A-113  
Sequence 113, Application US/10144649A  
Publication No. US20030118599A1  
GENERAL INFORMATION:  
APPLICANT: Lodes, Michael J.  
APPLICANT: Wang, Tongtong  
APPLICANT: Fan, Liqun  
APPLICANT: Algate, Paul A.  
APPLICANT: McNeill, Patricia D.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
TILE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER  
FILE REFERENCE: 210121.475C11  
CURRENT APPLICATION NUMBER: US/10/144,649A  
CURRENT FILING DATE: 2002-08-21  
NUMBER OF SEQ ID NOS: 749  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 113  
LENGTH: 107  
TYPE: PRT  
ORGANISM: Homo sapien  
US-10-144-649A-113

Query Match 0.4%; Score 7; DB 4; Length 107;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPS 1425  
DB 87 ECPPPS 93

RESULT 165  
US-10-424-599-149280  
Sequence 149280, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J  
APPLICANT: Kovacic, David K  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
TILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 149280  
LENGTH: 107  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_105823C.1.pep  
US-10-424-599-149280

Query Match 0.4%; Score 7; DB 4; Length 107;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41  
DB 54 RRERLL 60

RESULT 166  
US-10-425-115-276283  
Sequence 276283, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovacic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TILE OF INVENTION: Plants  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 276283  
LENGTH: 108  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_183554C.1.pep  
US-10-425-115-276283

Query Match 0.4%; Score 7; DB 4; Length 108;  
Best Local Similarity 100.0%; Pred. No. 6.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1109 LNFSSP 1115  
DB 98 LNFSSP 104

RESULT 167  
US-09-815-242-5029  
Sequence 5029, Application US/09815242  
Patent No. US2002061569A1  
GENERAL INFORMATION:  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl L.  
APPLICANT: Wall, Daniel  
APPLICANT: Zyckind, Judith W.  
APPLICANT: Trawick, John D.  
APPLICANT: Carr, Grant J.  
APPLICANT: Yamamoto, Robert T.  
APPLICANT: Xu, H. Howard  
TITLE OF INVENTION: Identification of Essential Genes in  
TILE OF INVENTION: Prokaryotes  
FILE REFERENCE: ELITRA.011A  
CURRENT APPLICATION NUMBER: US/09/815,242  
CURRENT FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
NUMBER OF SEQ ID NOS: 14110  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 5029

LENGTH: 110  
TYPE: PRT  
ORGANISM: Enterococcus faecalis  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: (1)...(110)  
OTHER INFORMATION: Xaa = Any Amino Acid  
US-09-815-242-5029

Query Match 0.4%; Score 7; DB 3; Length 110;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 303 EGLNPYV 309  
DB 52 EGLNPYV 58

RESULT 168  
US-10-425-115-189285  
Sequence 189285, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 189285  
LENGTH: 110  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_104213C.1.pep  
US-10-425-115-189285

Query Match 0.4%; Score 7; DB 4; Length 110;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 387 SWNRDGG 393  
DB 33 SWNRDGG 39

RESULT 169  
US-10-767-701-32346  
Sequence 32346, Application US/10767701  
Publication No. US20040172684A1  
GENERAL INFORMATION:  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/767,701  
CURRENT FILING DATE: 2004-01-29  
NUMBER OF SEQ ID NOS: 63128  
SEQ ID NO 32346  
LENGTH: 111  
TYPE: PRT  
ORGANISM: Sorghum bicolor  
FEATURE:  
OTHER INFORMATION: Clone ID: SORBI-28MAY03-C125652\_1.pep  
US-10-767-701-32346

Query Match 0.4%; Score 7; DB 4; Length 111;

Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 SCRSLL 175  
DB 54 SCRSLL 60

RESULT 170  
US-10-425-115-216434  
Sequence 216434, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 216434  
LENGTH: 111  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_128990C.1.pep  
US-10-425-115-216434

Query Match 0.4%; Score 7; DB 4; Length 111;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 639 VYDRASG 645  
DB 2 VYDRASG 8

RESULT 171  
US-10-425-115-216152  
Sequence 216152, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53222)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 216152  
LENGTH: 112  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_128724C.1.pep  
US-10-425-115-216152

Query Match 0.4%; Score 7; DB 4; Length 112;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 LLIRPV 45  
DB 74 LLIRPV 80

RESULT 172

```
US-10-425-115-350710
; Sequence 350710, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 350710
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Zea mays
; OTHER INFORMATION: Clone ID: MRT4577_83018C.1.pep
US-10-425-115-350710

Query Match
; 0.4%; Score 7; DB 4; Length 112;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPEL 873
DB 98 GEASPEL 104

RESULT 173
US-10-425-114-68056
; Sequence 68056, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68056
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73019C03_FLI.pep
US-10-425-114-68056

Query Match
; 0.4%; Score 7; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 6.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 718 CSELELF 724
DB 19 CSELELF 25

RESULT 174
US-09-864-408A-4214
; Sequence 4214, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimetsu, Richard A.
; TITLE OF INVENTION: No. US20040009474A1el Human Polynucleotides and Polypeptides Enco
```

```
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; NUMBER OF SEQ ID NOS: 2000-05-24
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 4214
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(1)
; OTHER INFORMATION: Wherein Xaa may be any naturally occurring amino acid
US-09-864-408A-4214

Query Match
; 0.4%; Score 7; DB 3; Length 115;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
DB 48 ATDLVLT 54

RESULT 175
US-10-437-963-162708
; Sequence 162708, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 162708
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_61774C.1.pep
US-10-437-963-162708

Query Match
; 0.4%; Score 7; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1040 GEARAIIF 1046
DB 64 GEARAIIF 70

RESULT 176
US-10-425-115-200841
; Sequence 200841, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
```

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; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 200841
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_114754C.1.pep
US-10-425-115-200841

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 118;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 LRPEVLA 47
Db 90 LRPEVLA 96

RESULT 177
US-10-425-115-254171
; Sequence 254171, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 254171
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(120)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_163384C.1.pep
US-10-425-115-254171

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 120;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIRL 316
Db 55 SEQIRL 61

RESULT 178
US-10-767-701-38665
; Sequence 38665, Application US/10767701
; Publication No. US2004012684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 38665
; LENGTH: 123
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```
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(123)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C68215_1.pep
US-10-767-701-38665

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 123;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1421 PPPSEL 1427
Db 17 PPPSEL 23

RESULT 179
US-10-425-115-310393
; Sequence 310393, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 310393
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_46136C.1.pep
US-10-425-115-310393

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 123;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 RERILR 42
Db 88 RERILR 94

RESULT 180
US-10-425-115-233169
; Sequence 233169, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 233169
; LENGTH: 124
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(124)
```

OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_144244C.1.pap  
US-10-425-115-233169

Query Match 0.4%; Score 7; DB 4; Length 124;  
Best Local Similarity 100.0%; Pred. No. 7.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1266 LOGLSPW 1272  
DB 63 LOGLSPW 69

RESULT 181  
US-10-109-048-1009  
Sequence 1009, Application US/10109048  
Publication No. US20040107461A1  
GENERAL INFORMATION:  
APPLICANT: COMMURI, PADMA  
APPLICANT: KEBLING, PETER L.  
APPLICANT: RAMIREZ, NONA  
APPLICANT: MCKEAN, ANGELA  
APPLICANT: GAO, ZHONG  
TITLE OF INVENTION: GLUCAN CHAIN LENGTH DOMAINS  
FILE REFERENCE: 2461-76  
CURRENT APPLICATION NUMBER: US/10/109,048  
CURRENT FILING DATE: 2003-03-04  
PRIOR APPLICATION NUMBER: 60/279,720  
PRIOR FILING DATE: 2001-03-30  
NUMBER OF SEQ ID NOS: 1154  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1009  
LENGTH: 127  
TYPE: PRF  
ORGANISM: Unknown Organism  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Accession No. 15672681  
US-10-109-048-1009

Query Match 0.4%; Score 7; DB 4; Length 127;  
Best Local Similarity 100.0%; Pred. No. 7.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 780 VDGKVS 786  
DB 72 VDGKVS 78

RESULT 182  
US-10-109-048-1014  
Sequence 1014, Application US/10109048  
Publication No. US20040107461A1  
GENERAL INFORMATION:  
APPLICANT: COMMURI, PADMA  
APPLICANT: KEBLING, PETER L.  
APPLICANT: RAMIREZ, NONA  
APPLICANT: MCKEAN, ANGELA  
APPLICANT: GAO, ZHONG  
TITLE OF INVENTION: GLUCAN CHAIN LENGTH DOMAINS  
FILE REFERENCE: 2461-76  
CURRENT APPLICATION NUMBER: US/10/109,048  
CURRENT FILING DATE: 2003-03-04  
PRIOR APPLICATION NUMBER: 60/279,720  
PRIOR FILING DATE: 2001-03-30  
NUMBER OF SEQ ID NOS: 1154  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1014  
LENGTH: 127  
TYPE: PRF  
ORGANISM: Unknown Organism

FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Accession No. 17366711  
US-10-109-048-1014

Query Match 0.4%; Score 7; DB 4; Length 127;  
Best Local Similarity 100.0%; Pred. No. 7.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 780 VDGKVS 786  
DB 72 VDGKVS 78

RESULT 183  
US-10-425-115-230541  
Sequence 230541, Application US/10425115  
Publication No. US20040214272A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(5322)B  
CURRENT APPLICATION NUMBER: US/10/425,115  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 369326  
SEQ ID NO 230541  
LENGTH: 131  
TYPE: PRF  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: MRT4577\_141849C.1.pap  
US-10-425-115-230541

Query Match 0.4%; Score 7; DB 4; Length 131;  
Best Local Similarity 100.0%; Pred. No. 7.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 461 EDLAGAA 467  
DB 77 EDLAGAA 83

RESULT 184  
US-10-437-963-126586  
Sequence 126586, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Bouharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(5322)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 126586  
LENGTH: 132  
TYPE: PRF  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_29117C.1.pap  
US-10-437-963-126586

Query Match 0.4%; Score 7; DB 4; Length 132;

Best Local Similarity 100.0%; Pred. No. 7.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1123 ALRTSSR 1129  
|||||

Db 39 ALRTSSR 45

## RESULT 185

US-10-424-599-263279  
; Sequence 263279, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J  
; APPLICANT: Kovalic, David K  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; NUMBER OF SEQ ID NOS: 2003-04-28  
; SEQ ID NO 263279  
; LENGTH: 133  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_79763C.1.pep  
US-10-424-599-263279

Query Match 0.4%; Score 7; DB 4; Length 133;  
Best Local Similarity 100.0%; Pred. No. 7.9e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GIYTPKG 953  
|||||

Db 62 GIYTPKG 68

## RESULT 186

US-10-437-963-158476  
; Sequence 158476, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; NUMBER OF SEQ ID NOS: 2003-05-14  
; SEQ ID NO 158476  
; LENGTH: 134  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)-(134)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_57948C.1.pep  
US-10-437-963-158476

Query Match 0.4%; Score 7; DB 4; Length 134;  
Best Local Similarity 100.0%; Pred. No. 8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 860 AERAGEL 866  
|||||

Db 33 AERAGEL 39

## RESULT 187

US-10-425-114-41883  
; Sequence 41883, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53113)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73126  
; SEQ ID NO 41883  
; LENGTH: 136  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB3075-045-G5\_FLI.pep  
US-10-425-114-41883

Query Match 0.4%; Score 7; DB 4; Length 136;  
Best Local Similarity 100.0%; Pred. No. 8.1e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GVALGIR 93  
|||||

Db 130 GVALGIR 136

## RESULT 188

US-10-425-115-236643  
; Sequence 236643, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 236643  
; LENGTH: 138  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_147401C.1.pep  
US-10-425-115-236643

Query Match 0.4%; Score 7; DB 4; Length 138;  
Best Local Similarity 100.0%; Pred. No. 8.2e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPL 873  
|||||

Db 65 GEASPL 71

Query Match 0.4%; Score 7; DB 4; Length 134;  
Best Local Similarity 100.0%; Pred. No. 8e+02;

```
RESULT 189
US-10-425-115-263909
; Sequence 263909, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 263909
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_172299C.1.pap
US-10-425-115-263909

Query Match      0.4%; Score 7; DB 4; Length 138;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      169 SCSLTL 175
Db      11 SCSLTL 17

RESULT 190
US-10-424-599-150902
; Sequence 150902, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 150902
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_107289C.1.pap
US-10-424-599-150902

Query Match      0.4%; Score 7; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 8.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1419 ECPPPS 1425
Db      77 ECPPPS 83

RESULT 191
US-10-437-963-135386
; Sequence 135386, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazov, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 135386
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(139)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_37068C.1.pap
US-10-437-963-135386

Query Match      0.4%; Score 7; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 8.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1052 DGLVPG 1058
Db      24 DGLVPG 30

RESULT 192
US-10-425-115-223112
; Sequence 223112, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 223112
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_135068C.1.pap
US-10-425-115-223112

Query Match      0.4%; Score 7; DB 4; Length 142;
Best Local Similarity 100.0%; Pred. No. 8.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      564 RPPGAP 570
Db      62 RPPGAP 68

RESULT 193
US-10-425-115-196358
; Sequence 196358, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
```



```
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 196358
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(143)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_110665C.1.pep
; US-10-425-115-196358
```

```
Query Match          0.4%; Score 7; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      473 KDAPVTHL 479
      |||||
Db      91 KDAPVTHL 97
```

```
RESULT 194
US-11-097-143-39795
; Sequence 39795, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: PaacSeq for Windows Version 4.0
; SEQ ID NO 39795
; LENGTH: 143
; TYPE: PRT
; ORGANISM: DROSOPHILA
; US-11-097-143-39795
```

```
Query Match          0.4%; Score 7; DB 6; Length 143;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1161 DSCPSLL 1167
      |||||
Db      16 DSCPSLL 22
```

RESULT 195

```
US-10-424-599-206661
; Sequence 206661, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 206661
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(144)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_28642C.1.pep
; US-10-424-599-206661
```

```
Query Match          0.4%; Score 7; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      218 ATDLVLT 224
      |||||
Db      83 ATDLVLT 89
```

```
RESULT 196
US-10-805-684-73
; Sequence 73, Application US/10805684
; Publication No. US20050100966A1
; GENERAL INFORMATION:
; APPLICANT: SAKAMOTO, TAKESHI
; APPLICANT: TAKEDA, SHIZU
; TITLE OF INVENTION: PHOS-INTERACTING PROTEINS AND USE THEREOF
; FILE REFERENCE: 58748(70342)
; CURRENT APPLICATION NUMBER: US/10/805,684
; CURRENT FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/455,766
; PRIOR FILING DATE: 2003-03-19
; PRIOR APPLICATION NUMBER: 60/459,936
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: 60/460,103
; PRIOR FILING DATE: 2003-04-02
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 73
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-805-684-73
```

```
Query Match          0.4%; Score 7; DB 5; Length 144;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      863 GGEIGEA 869
      |||||
Db      37 GGEIGEA 43
```

```
RESULT 197
US-10-437-963-178775
; Sequence 178775, Application US/10437963
; Publication No. US20040123343A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Boukharov, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 178775
/ LENGTH: 147
/ TYPE: PRT
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_76299C.1.pep
/ US-10-437-963-178775

Query Match      0.4%; Score 7; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1165 SLLDHA 1171
DB      103 SLLDHA 109

RESULT 198
/ US-10-424-599-249722
/ Sequence 249722, Application US/10424599
/ Publication No. US20040031072A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J
/ APPLICANT: Kovalic, David K
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 249722
/ LENGTH: 148
/ TYPE: PRT
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_67528C.1.pep
/ US-10-424-599-249722

Query Match      0.4%; Score 7; DB 4; Length 148;
Best Local Similarity 100.0%; Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1419 ECPPPS 1425
DB      58 ECPPPS 64

RESULT 199
/ US-10-437-963-126703
/ Sequence 126703, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
```

```
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Boukharov, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 126703
/ LENGTH: 150
/ TYPE: PRT
/ ORGANISM: Oryza sativa
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)..(150)
/ OTHER INFORMATION: unsure at all Xaa locations
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_29223C.1.pep
/ US-10-437-963-126703

Query Match      0.4%; Score 7; DB 4; Length 150;
Best Local Similarity 100.0%; Pred. No. 8.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      810 PLCSGR 816
DB      141 PLCSGR 147

RESULT 200
/ US-10-767-701-59069
/ Sequence 59069, Application US/10767701
/ Publication No. US20040172684A1
/ GENERAL INFORMATION:
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53535)B
/ CURRENT APPLICATION NUMBER: US/10/767,701
/ CURRENT FILING DATE: 2004-01-29
/ NUMBER OF SEQ ID NOS: 63128
/ SEQ ID NO 59069
/ LENGTH: 152
/ TYPE: PRT
/ ORGANISM: Sorghum bicolor
/ FEATURE:
/ OTHER INFORMATION: Clone ID: 6859340.pep
/ US-10-767-701-59069

Query Match      0.4%; Score 7; DB 4; Length 152;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1132 LSAPNC 1138
DB      9 LSAPNC 15

RESULT 201
/ US-10-425-115-360242
/ Sequence 360242, Application US/10425115
/ Publication No. US20040214272A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
```

```

; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 360242
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(153)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_91719C.1.pep
US-10-425-115-360242

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 153;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1111 NNESSPV 1117
DB 54 NFSSPRV 60

RESULT 202
US-10-385-415-98
; Sequence 98, Application US/10385415
; Publication No. US20040014158A1
; GENERAL INFORMATION:
; APPLICANT: Bacher, Adelbert
; APPLICANT: Fischer, Markus
; TITLE OF INVENTION: PROTEIN CONJUGATES, METHOD, VECTORS, PROTEINS AND DNA FOR
; TITLE OF INVENTION: PRODUCING THEM, THEIR USE AND MEDICAMENTS AND VACCINES CONTAININ
; FILE REFERENCE: 9286.6CT
; CURRENT APPLICATION NUMBER: US/10/385,415
; CURRENT FILING DATE: 2003-03-10
; PRIOR APPLICATION NUMBER: US 09/936,028
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: PCT/EP00/01899
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: DE 19910102.7
; PRIOR FILING DATE: 1999-03-08
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 98
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Aquifex aeolicus
US-10-385-415-98

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 154;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1462 ITADTLE 1468
DB 116 ITADTLE 122

RESULT 203
US-09-917-340-29
; Sequence 29, Application US/09917340
; Patent No. US20020090369A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Christopher J.
; APPLICANT: McAnulty, Jonathan F.
; APPLICANT: Reid, Ted W.
; TITLE OF INVENTION: Transplant Media
; FILE REFERENCE: TPLANT-06468
; CURRENT APPLICATION NUMBER: US/09/917,340
; CURRENT FILING DATE: 2001-07-29

; PRIOR APPLICATION NUMBER: 60/221,632
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/249,602
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/290,932
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-917-340-29

Query Match
Best Local Similarity 100.0%; Score 7; DB 3; Length 155;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 425 DPDSPKR 431
DB 69 DPDSPKR 75

RESULT 204
US-10-344-709C-8
; Sequence 8, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived anticicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN-030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-8

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 155;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 425 DPDSPKR 431
DB 69 DPDSPKR 75

RESULT 205
US-10-844-837-29
; Sequence 29, Application US/10844837
; Publication No. US20050014932A1
; GENERAL INFORMATION:
; APPLICANT: Imboden, Michael
; APPLICANT: Homan, Jane
; APPLICANT: Bremel, Robert D.
; TITLE OF INVENTION: Targeted Biocides
; FILE REFERENCE: IOGEN-09014
; CURRENT APPLICATION NUMBER: US/10/844,837
; CURRENT FILING DATE: 2004-05-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29
; LENGTH: 155
```

TYPE: PRT  
ORGANISM: Bos taurus  
US-10-844-837-29

Query Match  
Best Local Similarity 100.0%; Score 7; DB 5; Length 155;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 425 DPDSPKR 431  
DB 69 DPDSPKR 75

RESULT 206  
US-10-909-119-44  
Sequence 44, Application US/10909119  
Publication No. US20050079578A1  
GENERAL INFORMATION:  
APPLICANT: Centanni, John M.  
APPLICANT: Allen-Hoffmann, Lynn  
TITLE OF INVENTION: Human Skin Equivalents Expressing Exogenous Polypeptides  
FILE REFERENCE: STRA-09123  
CURRENT APPLICATION NUMBER: US/10/909,119  
CURRENT FILING DATE: 2004-07-30  
NUMBER OF SEQ ID NOS: 128  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 44  
LENGTH: 155  
TYPE: PRT  
ORGANISM: Bos taurus  
US-10-909-119-44

Query Match  
Best Local Similarity 100.0%; Score 7; DB 5; Length 155;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 425 DPDSPKR 431  
DB 69 DPDSPKR 75

RESULT 207  
US-10-657-851-29  
Sequence 29, Application US/10657851  
Publication No. US20050089836A1  
GENERAL INFORMATION:  
APPLICANT: Murphy, Christopher J.  
APPLICANT: McAnulty, Jonathan F.  
APPLICANT: Reid, Ted W.  
TITLE OF INVENTION: Transplant Media  
FILE REFERENCE: TP-LANT-06468  
CURRENT APPLICATION NUMBER: US/10/657,851  
CURRENT FILING DATE: 2003-09-09  
PRIOR APPLICATION NUMBER: US/09/917,340  
PRIOR FILING DATE: 2001-07-29  
PRIOR APPLICATION NUMBER: 60/221,632  
PRIOR FILING DATE: 2000-07-28  
PRIOR APPLICATION NUMBER: 60/249,602  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/290,932  
PRIOR FILING DATE: 2001-05-15  
NUMBER OF SEQ ID NOS: 96  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 29  
LENGTH: 155  
TYPE: PRT  
ORGANISM: Bos taurus  
US-10-657-851-29

Query Match  
Best Local Similarity 100.0%; Score 7; DB 5; Length 155;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 425 DPDSPKR 431  
DB 69 DPDSPKR 75

RESULT 208  
US-10-424-599-222160  
Sequence 222160, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 222160  
LENGTH: 157  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_4263C.1.pep  
US-10-424-599-222160

Query Match  
Best Local Similarity 100.0%; Score 7; DB 4; Length 157;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPPS 1425  
DB 58 ECPPPPS 64

RESULT 209  
US-10-437-963-180327  
Sequence 180327, Application US/10437963  
Publication No. US20040123343A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa, Thomas J.  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
APPLICANT: Wu, Wei  
APPLICANT: Bouharov, Andrey A.  
APPLICANT: Barbazuk, Brad  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53221)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 180327  
LENGTH: 157  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (1)..(157)  
OTHER INFORMATION: unsure at all Xaa locations  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_77705C.1.pep  
US-10-437-963-180327

Query Match  
Best Local Similarity 100.0%; Score 7; DB 4; Length 157;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 805 SQPHSPL 811

Db 49 SGPSPV 55

## RESULT 210

US-10-767-701-61942  
 ; Sequence 61942, Application US/10767701  
 ; Publication No. US20040172684A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement  
 ; FILE REFERENCE: 38-21(53535)B  
 ; CURRENT APPLICATION NUMBER: US/10/767,701  
 ; CURRENT FILING DATE: 2004-01-29  
 ; NUMBER OF SEQ ID NOS: 63128  
 ; SEQ ID NO 61942  
 ; LENGTH: 158  
 ; TYPE: PRT  
 ; ORGANISM: Sorghum bicolor  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: 9853904.pep  
 US-10-767-701-61942

Query Match 0.4%; Score 7; DB 4; Length 158;  
 Best Local Similarity 100.0%; Pred. No. 9.3e+02;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 32 FSGRRR 38

Db 129 FSGRRR 135

## RESULT 211

US-10-424-599-167313  
 ; Sequence 167313, Application US/10424599  
 ; Publication No. US20040031072A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
 ; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement  
 ; FILE REFERENCE: 38-21(53223)B  
 ; CURRENT APPLICATION NUMBER: US/10/424,599  
 ; CURRENT FILING DATE: 2003-04-28  
 ; NUMBER OF SEQ ID NOS: 285684  
 ; SEQ ID NO 167313  
 ; LENGTH: 159  
 ; TYPE: PRT  
 ; ORGANISM: Glycine max  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_122100C.1.pep  
 US-10-424-599-167313

Query Match 0.4%; Score 7; DB 4; Length 159;  
 Best Local Similarity 100.0%; Pred. No. 9.3e+02;  
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 RSLLLGG 177

Db 116 RSLLLGG 122

## RESULT 212

US-10-767-701-59085  
 ; Sequence 59085, Application US/10767701  
 ; Publication No. US20040172684A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Zhou, Yihua

```
/ SEQ ID NO 317008
/ LENGTH: 161
/ TYPE: PRT
/ ORGANISM: Zea mays
/ FEATURE:
/ OTHER INFORMATION: Clone ID: MRL4577_52184C.1.pep
US-10-425-115-317008

Query Match          0.4%; Score 7; DB 4; Length 161;
Best Local Similarity 100.0%; Pred. No. 9.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      866 LGESAPP 872
Db      92 LGESAPP 98

RESULT 215
US-09-882-227-82
/ Sequence 82, Application US/09882227
/ Publication No. US20030158396A1
/ GENERAL INFORMATION:
/ APPLICANT: Kleanchous, Harold
/ APPLICANT: Al-Garawi, Amal
/ APPLICANT: Miller, Charles
/ APPLICANT: Tomb, Jean-Francois
/ APPLICANT: Ooomen, Raymond P.
/ TITLE OF INVENTION: Identification of Polynucleotides
/ TITLE OF INVENTION: Encoding No. US20030158396A1 Helicobacter Polypeptides in the
/ FILE REFERENCE: 06132/047002
/ CURRENT APPLICATION NUMBER: US/09/882,227
/ CURRENT FILING DATE: 2001-06-15
/ PRIOR APPLICATION NUMBER: US 08/902,615
/ PRIOR FILING DATE: 1997-07-29
/ NUMBER OF SEQ ID NOS: 638
/ SOFTWARE: FaastSeq for windows Version 4.0
/ SEQ ID NO 82
/ LENGTH: 162
/ TYPE: PRT
/ ORGANISM: Helicobacter pylori
/ FEATURE:
/ NAME/KEY: VARIANT
/ LOCATION: 32
/ OTHER INFORMATION: Xaa = Any Amino Acid
US-09-882-227-82

Query Match          0.4%; Score 7; DB 3; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1124 LRTSRI 1130
Db      127 LRTSRI 133

RESULT 216
US-10-767-701-38518
/ Sequence 38518, Application US/10767701
/ Publication No. US20040172684A1
/ GENERAL INFORMATION:
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
/ FILE REFERENCE: 38-21(53535)B
/ CURRENT APPLICATION NUMBER: US/10/767,701
/ CURRENT FILING DATE: 2004-01-29
/ NUMBER OF SEQ ID NOS: 63128
/ SEQ ID NO 38518
/ LENGTH: 162
/ TYPE: PRT
```

```
/ ORGANISM: Sorghum bicolor
/ FEATURE:
/ OTHER INFORMATION: Clone ID: SORBI-28MAV03-C61899_1.pep
US-10-767-701-38518

Query Match          0.4%; Score 7; DB 4; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      245 LEVLOGF 251
Db      68 LEVLOGF 74

RESULT 217
US-10-805-684-72
/ Sequence 72, Application US/10805684
/ Publication No. US2005010966A1
/ GENERAL INFORMATION:
/ APPLICANT: SAKAMOTO, TAKESHI
/ APPLICANT: TAKEDA, SHIZU
/ TITLE OF INVENTION: PHOS-INTERACTING PROTEINS AND USE THEREOF
/ FILE REFERENCE: 58748 (70342)
/ CURRENT APPLICATION NUMBER: US/10/805,684
/ CURRENT FILING DATE: 2004-03-19
/ PRIOR APPLICATION NUMBER: 60/455,766
/ PRIOR FILING DATE: 2003-03-19
/ PRIOR APPLICATION NUMBER: 60/459,936
/ PRIOR FILING DATE: 2003-04-02
/ PRIOR APPLICATION NUMBER: 60/460,103
/ PRIOR FILING DATE: 2003-04-02
/ NUMBER OF SEQ ID NOS: 161
/ SOFTWARE: PatentIn Ver. 3.2
/ SEQ ID NO 72
/ LENGTH: 162
/ TYPE: PRT
/ ORGANISM: Mus musculus
US-10-805-684-72

Query Match          0.4%; Score 7; DB 5; Length 162;
Best Local Similarity 100.0%; Pred. No. 9.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      863 GSELGEA 869
Db      37 GSELGEA 43

RESULT 218
US-10-437-963-102587
/ Sequence 102587, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 102587
/ LENGTH: 165
/ TYPE: PRT
/ ORGANISM: Oryza sativa
/ FEATURE:
/ NAME/KEY: unsure
```

```

; LOCATION: (1)..(165)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_100096C.1.pep
US-10-437-963-102587

```

```

Query Match          0.4%; Score 7; DB 4; Length 165;
Best Local Similarity 100.0%; Pred. No. 9.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1234 PDPDLVN 1240
          |||||
          87 PDPDLVN 93

```

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RESULT 219
US-10-424-599-274517
; Sequence 274517, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ. ID NOS: 285684
; SEQ ID NO 274517
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_89911C.1.pep
US-10-424-599-274517

```

```

Query Match          0.4%; Score 7; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1172 DVNCTG 1178
          |||||
          Db      159 DVNCTG 165

```

```

RESULT 220
US-10-425-115-250906
; Sequence 250906, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 250906
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_160413C.1.pep
US-10-425-115-250906

```

```

Query Match          0.4%; Score 7; DB 4; Length 167;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY      799 DALITS 805
          |||||
          Db      112 DALITS 118

```

```

RESULT 221
US-10-282-122A-65507
; Sequence 65507, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: E117RA.03A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65507
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-282-122A-65507

```

```

Query Match          0.4%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      48 EIPREAF 54
          |||||
          Db      86 EIPREAF 92

```

```

RESULT 222
US-10-282-122A-65794
; Sequence 65794, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl

```

```

; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prdr Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65794
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-10-282-122A-65794

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 EIPREAF 54
Db 86 EIPREAF 92

RESULT 223
US-10-510-408-16
; Sequence 16, Application US/10510408
; Publication No. US20050221423A1
; GENERAL INFORMATION:
; APPLICANT: Jorgensen, Steen Troels
; APPLICANT: Olsen, Peter Bjarke
; APPLICANT: Andersen, Jens Tonne
; APPLICANT: Rasmussen, Michael Dolberg
; TITLE OF INVENTION: Improved Bacillus Host Cell
; FILE REFERENCE: 10295.204-US
; CURRENT APPLICATION NUMBER: US/10/510,408
; CURRENT FILING DATE: 2004-10-05
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 16
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Bacillus licheniformis
US-10-510-408-16

Query Match 0.4%; Score 7; DB 5; Length 170;
```

```

Best Local Similarity 100.0%; Pred. No. 9.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 364 DPECEHP 370
Db 12 DPECEHP 18

RESULT 224
US-10-296-115-1129
; Sequence 1129, Application US/10296115
; Publication No. US20040053248A1
; GENERAL INFORMATION:
; APPLICANT: HySeq Inc
; TITLE OF INVENTION: No. US20040053248A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 784PCT
; CURRENT APPLICATION NUMBER: US/10/296,115
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: US09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US09/552,317
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 1478
; SEQ ID NO 1129
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-296-115-1129

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 174;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEBEA 218
Db 168 SSGEBEA 174

RESULT 225
US-10-425-115-364462
; Sequence 364462, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 364462
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(174)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_95558C.1.pep
US-10-425-115-364462

Query Match
Best Local Similarity 0.4%; Score 7; DB 4; Length 174;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GWAIGIR 93
Db 168 GWAIGIR 174
```



## RESULT 226

US-11-097-143-29058

; Sequence 29058, Application US/11097143  
; Publication No. US20050208558A1  
; GENERAL INFORMATION:  
; APPLICANT: Venter, J. Craig  
; APPLICANT: et al.  
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
; FILE REFERENCE: CL000728  
; CURRENT APPLICATION NUMBER: US/11/097,143  
; PRIOR FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: 60/157,832  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: 60/160,191  
; PRIOR FILING DATE: 1999-10-19  
; PRIOR APPLICATION NUMBER: 60/161,932  
; PRIOR FILING DATE: 1999-10-28  
; PRIOR APPLICATION NUMBER: 60/164,769  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/173,383  
; PRIOR FILING DATE: 1999-12-28  
; PRIOR APPLICATION NUMBER: 60/175,693  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: 60/184,831  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: 60/191,637  
; PRIOR FILING DATE: 2000-03-23  
; NUMBER OF SEQ ID NOS: 43008  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 29058  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: DROSOPHILA  
US-11-097-143-29058

Query Match                    0.4%; Score 7; DB 6; Length 178;  
Best Local Similarity    100.0%; Pred. No. 1e+03;  
Matches    7; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY            828 FASGLPV 834

DB            4 FASGLPV 10

## RESULT 227

US-10-425-114-49967

; Sequence 49967, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; PRIOR FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 49967  
; LENGTH: 180  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700224187\_FLI.pep  
US-10-425-114-49967

Query Match                    0.4%; Score 7; DB 4; Length 180;

Best Local Similarity    100.0%; Pred. No. 1e+03;  
Matches    7; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY            718 CSELELF 724

DB            19 CSELELF 25

## RESULT 228

US-10-425-115-315099

; Sequence 315099, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; PRIOR FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 315099  
; LENGTH: 180  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)-(180)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MPT4577\_5042C.1.pep  
US-10-425-115-315099

Query Match                    0.4%; Score 7; DB 4; Length 180;  
Best Local Similarity    100.0%; Pred. No. 1e+03;  
Matches    7; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY            863 GGEIGEA 869

DB            124 GGEIGEA 130

## RESULT 229

US-10-017-161-1544

; Sequence 1544, Application US/10017161  
; Publication No. US20030143668A1  
; GENERAL INFORMATION:  
; APPLICANT: SUWA, MAKIKO  
; APPLICANT: ASAI, KIYOSHI  
; APPLICANT: AKIYAMA, YUTAKA  
; APPLICANT: ABRATANI, HIROYUKI  
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS  
; FILE REFERENCE: 08435/0152  
; CURRENT APPLICATION NUMBER: US/10/017,161  
; PRIOR FILING DATE: 2002-12-18  
; PRIOR APPLICATION NUMBER: JP 2001/246789  
; PRIOR FILING DATE: 2001-06-18  
; NUMBER OF SEQ ID NOS: 2430  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1544  
; LENGTH: 181  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-017-161-1544

Query Match                    0.4%; Score 7; DB 4; Length 181;  
Best Local Similarity    100.0%; Pred. No. 1e+03;  
Matches    7; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY            103 ARFFSL 109

DB            11 ARFFSL 10

Db 86 ARFFSL 92

RESULT 230

US-10-424-599-282418  
; Sequence 282418, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 282418  
; LENGTH: 181  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_97045C.1.pcp  
US-10-424-599-282418

Query Match 0.4%; Score 7; DB 4; Length 181;

Best Local Similarity 100.0%; Pred. No. 1e+03; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0;

QY 857 QVLAEG 863

Db 52 QVLAEG 58

RESULT 231

US-10-424-599-156286  
; Sequence 156286, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 156286  
; LENGTH: 182  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)-(182)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_112147C.1.pcp  
US-10-424-599-156286

Query Match 0.4%; Score 7; DB 4; Length 182;

Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0;

QY 795 RIEIDAA 801

Db 125 RIEIDAA 131

RESULT 232

US-10-699-035A-28

; Sequence 28, Application US/10699035A  
; Publication No. US20040214349A1  
; GENERAL INFORMATION:  
; APPLICANT: Bateman, John  
; APPLICANT: Fitzgerald, David  
; TITLE OF INVENTION: A Molecular Marker  
; FILE REFERENCE: A36056 PCT USA A 071838.0142  
; CURRENT APPLICATION NUMBER: US/10/699,035A  
; CURRENT FILING DATE: 2003-10-31  
; PRIOR APPLICATION NUMBER: PCT/AU02/00542  
; PRIOR FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: AU PR4701/01  
; PRIOR FILING DATE: 2001-05-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 28  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: VA domain from matrilin-3  
US-10-699-035A-28

Query Match 0.4%; Score 7; DB 4; Length 185;

Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0;

QY 52 EAFVTEA 58

Db 92 EAFVTEA 98

RESULT 233

US-10-501-282-5416  
; Sequence 5416, Application US/10501282  
; Publication No. US20050203280A1  
; GENERAL INFORMATION:  
; APPLICANT: MCMICHAEL, JOHN CALHOUN  
; APPLICANT: ZAGORSKY, ROBERT JOHN  
; APPLICANT: RUSSELL, DAVID PARRISH  
; APPLICANT: FLETCHER, LEAH DINNE  
; TITLE OF INVENTION: ALLOIOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING  
; TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF  
; FILE REFERENCE: AML00780 L2  
; CURRENT APPLICATION NUMBER: US/10/501,282  
; CURRENT FILING DATE: 2004-07-09  
; PRIOR APPLICATION NUMBER: 60/333,777  
; PRIOR FILING DATE: 2001-11-29  
; PRIOR APPLICATION NUMBER: 60/426,742  
; PRIOR FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: PCT/US02/36123  
; PRIOR FILING DATE: 2002-11-25  
; NUMBER OF SEQ ID NOS: 6653  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5416  
; LENGTH: 185  
; TYPE: PRT  
; ORGANISM: Alloiococcus otitidis  
US-10-501-282-5416

Query Match 0.4%; Score 7; DB 5; Length 185;

Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0;

QY 1022 GSKKED 1028

Db 179 GSKKED 185

RESULT 234

US-10-425-114-68575  
; Sequence 68575, Application US/10425114  
; Publication No. US2004003488A1

```
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovacic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68575
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17133D11_FLI.pep
US-10-425-114-68575

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 187;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1253 LKRCSTS 1259
DB 168 LKRCSTS 174

RESULT 235
US-10-351-951-3
; Sequence 3, Application US/10351951
; Publication No. US20030203380A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Stefan E.
; TITLE OF INVENTION: GENE LINKED TO OSTEOARTHRITIS
; FILE REFERENCE: 2345,2043-004
; CURRENT APPLICATION NUMBER: US/10/351,951
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: 10/057,312
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 60/431,538
; PRIOR FILING DATE: 2002-12-05
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-351-951-3

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 189;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EAFTEA 58
DB 98 EAFTEA 104

RESULT 236
US-10-472-928-1876
; Sequence 1876, Application US/10472928
; Publication No. US2005020813A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
; TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE: P026926WO
; CURRENT APPLICATION NUMBER: US/10/472,928
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: GB-0107658.7
```

```
; PRIOR FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4979
; SOFTWARE: SeqWin99, version 1.03
; SEQ ID NO 1876
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; OTHER INFORMATION: acetyltransferase, GNAT family
; OTHER INFORMATION: Cellular location: cytoplasm
; OTHER INFORMATION: Similar to strain R6 sequence 15902899 (e-103)
US-10-472-928-1876

Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 189;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 ERLLRP 43
DB 17 ERLLRP 23

RESULT 237
US-10-450-763-45016
; Sequence 45016, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 45016
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(189)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-45016

Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 189;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 664 ASSRVC 670
DB 40 ASSRVC 46

RESULT 238
US-10-437-963-175224
; Sequence 175224, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: la Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
```

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; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 175224
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_73090C.1.pep
; US-10-437-963-175224

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 194;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      866 LGEASPP 872
Db      43 LGEASPP 49

RESULT 229
US-11-097-143-35403
; Sequence 35403, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; FILE REFERENCE: C1000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35403
; LENGTH: 195
; TYPE: PRT
; ORGANISM: DROSOPHILA
; US-11-097-143-35403

Query Match
Best Local Similarity 100.0%; Score 7; DB 6; Length 195;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      152 VASSIDQ 158
Db      156 VASSIDQ 162

RESULT 240
US-10-282-122A-77856
; Sequence 77856, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:

; APPLICANT: Wang, Liangou
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyn, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77856
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Yersinia pestis
; US-10-282-122A-77856

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1127 SSRIGLS 1133
Db      50 SSRIGLS 56

RESULT 241
US-10-425-115-296554
; Sequence 296554, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 296554
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Zea mays
```

```
FEATURE:
OTHER INFORMATION: Clone ID: MRT4577_33531C.1.pcp
US-10-425-115-296554

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316
DB 95 SEQIDRL 101

RESULT 242
US-10-450-763-46391
Sequence 46391, Application US/10450763
Publication No. US20050196754A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CIP3/US
CURRENT APPLICATION NUMBER: US/10/450,763
PRIOR FILING DATE: 2003-06-11
PRIOR APPLICATION NUMBER: PCT/US01/08631
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 46391
LENGTH: 196
TYPE: PRT
ORGANISM: Homo sapiens
US-10-450-763-46391

Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 196;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 258 LSPLOPP 264
DB 32 LSPLOPP 38

RESULT 243
US-10-282-122A-69070
Sequence 69070, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: ELITRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
```

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PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 69070
LENGTH: 198
TYPE: PRT
ORGANISM: Proteus mirabilis
US-10-282-122A-69070

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 198;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1128 SRIGLSA 1134
DB 51 SRIGLSA 57

RESULT 244
US-10-437-963-142091
Sequence 142091, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 142091
LENGTH: 198
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_43130C.1.pcp
US-10-437-963-142091

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 198;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1311 DNHDVGT 1317
DB 20 DNHDVGT 26

RESULT 245
US-10-921-023-40
Sequence 40, Application US/10921023
Publication No. US20050095677A1
GENERAL INFORMATION:
```

```

; APPLICANT: LIU, QIANG-YUAN
; APPLICANT: NAMBI, PONNAL
; TITLE OF INVENTION: NOVEL HUMAN LXRA VARIANTS
; FILE REFERENCE: 36119.151US2
; CURRENT APPLICATION NUMBER: US/10/921,023
; PRIOR FILING DATE: 2004-08-18
; PRIOR APPLICATION NUMBER: 60/496,007
; PRIOR FILING DATE: 2003-08-18
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 40
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-921-023-40

Query Match
Best Local Similarity 100.0%; Score 7; DB 5; Length 199;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316
Db 20 SEQIDRL 26

RESULT 246
US-10-282-122A-51043
; Sequence 51043, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51043
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Bordetella pertussis
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US-10-282-122A-51043

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 201;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 69 PAIINGV 75
Db 14 PAIINGV 20

RESULT 247
US-10-282-122A-52842
; Sequence 52842, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52842
; LENGTH: 201
; TYPE: PRT
; ORGANISM: Clostridium botulinum
; US-10-282-122A-52842

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 201;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDKGKR 101
Db 116 GKDKGKR 122

RESULT 248
US-10-617-320-3611
; Sequence 3611, Application US/10617320
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Publication No. US20050136404A1  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGN  
THERAPEUTICS  
NUMBER OF SEQUENCES: 5206  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: <Unknown>  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: <Unknown>  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/617,320  
FILING DATE: 10-Jul-2003  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,433  
FILING DATE: 30-Jun-1998  
APPLICATION NUMBER: 60/085131  
FILING DATE: May 12, 1998  
APPLICATION NUMBER: 60/051553  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneka  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-011  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 3611:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 201 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: Streptococcus pneumoniae  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (B) LOCATION 1...201  
SEQUENCE DESCRIPTION: SEQ ID NO: 3611:  
US-10-617-320-3611  
Query Match 0.4%; Score 7; DB 5; Length 201;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 37 ERLLRP 43  
Db 29 ERLLRP 35  
RESULT 249  
US-10-282-122A-72720  
Sequence 72720; Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari  
APPLICANT: Zyskind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John

APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Forsyth, R.  
APPLICANT: Xu, H.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA.034A  
CURRENT APPLICATION NUMBER: US/10/282,122A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 72720  
LENGTH: 203  
TYPE: PRT  
ORGANISM: Salmonella paratyphi A  
FEATURE:  
NAME/KEY: MISC\_FEATURE  
LOCATION: (63)..(63)  
OTHER INFORMATION: X=any amino acid  
US-10-282-122A-72720  
Query Match 0.4%; Score 7; DB 4; Length 203;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1127 SSRIGLS 1133  
Db 50 SSRIGLS 56  
RESULT 250  
US-10-424-599-219633  
Sequence 219633; Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 219633  
LENGTH: 204  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_40357C.1.pap  
US-10-424-599-219633

Query Match 0.4%; Score 7; DB 4; Length 204;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 644 SSSLGGA 650  
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Db 125 SSSLGGA 131

Search completed: January 30, 2006, 15:38:29  
Job time : 90 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: January 30, 2006, 15:25:28 ; Search time 31 Seconds

(without alignments)  
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Title: US-09-983-025B-2\_COPY\_234\_1791

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Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 5

Total number of hits satisfying chosen parameters: 56175

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Listing first 500 summaries

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Issued Patents AA:\*  
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4: /cgn2\_6/ptodata/1/iaa/PCBUS.COMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	* Query Match	Length	DB ID	Description
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4	11	0.7	20	2	US-09-827-998-18
5	9	0.6	21	2	US-09-902-540-13412
6	8	0.5	47	2	US-09-079-030-90
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8	8	0.5	382	2	US-09-949-016-11427
9	8	0.5	400	2	US-09-252-991A-31900
10	8	0.5	494	2	US-09-134-000C-4231
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14	8	0.5	4563	2	US-09-108-006C-1
15	8	0.5	4563	2	US-09-538-092-842
16	7	0.4	18	2	US-08-920-610-4
17	7	0.4	18	2	US-09-140-149-2
18	7	0.4	18	2	US-08-672-213-4
19	7	0.4	18	2	US-08-973-131-31
20	7	0.4	18	2	US-09-615-917-2
21	7	0.4	52	2	US-09-513-899C-7681
22	7	0.4	61	2	US-09-540-236-2834
23	7	0.4	62	2	US-09-107-532A-4945
24	7	0.4	103	2	US-09-732-210-762
25	7	0.4	103	2	US-09-732-210-763
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28	7	0.4	104	2	US-09-732-210-761
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30	7	0.4	104	2	US-09-492-709A-321
31	7	0.4	107	2	US-09-370-838-113
32	7	0.4	107	2	US-09-854-133-113
33	7	0.4	108	2	US-09-252-991A-21351
34	7	0.4	113	2	US-09-732-210-774
35	7	0.4	115	2	US-09-732-210-780
36	7	0.4	116	2	US-09-543-681A-7205
37	7	0.4	118	2	US-09-489-039A-10900
38	7	0.4	119	2	US-09-270-767-56640
39	7	0.4	120	2	US-09-248-796A-27858
40	7	0.4	120	2	US-09-902-540-11618
41	7	0.4	125	2	US-09-270-767-40611
42	7	0.4	135	2	US-09-270-767-55827
43	7	0.4	136	2	US-09-710-879-1852
44	7	0.4	141	2	US-09-949-016-8944
45	7	0.4	143	2	US-09-605-703B-2448
46	7	0.4	144	2	US-09-252-991A-16576
47	7	0.4	149	2	US-09-270-767-40126
48	7	0.4	149	2	US-09-270-767-55342
49	7	0.4	155	2	US-09-917-340-29
50	7	0.4	181	2	US-09-270-767-32592
51	7	0.4	181	2	US-09-270-767-47809
52	7	0.4	193	2	US-09-543-681A-4479
53	7	0.4	195	2	US-09-583-110-5165
54	7	0.4	201	2	US-09-107-433-3611
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58	7	0.4	211	2	US-09-489-039A-9282
59	7	0.4	212	2	US-09-543-681A-4702
60	7	0.4	214	2	US-09-489-039A-10398
61	7	0.4	215	2	US-09-543-681A-5834
62	7	0.4	222	2	US-09-328-352-4496
63	7	0.4	222	2	US-09-252-991A-29073
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68	7	0.4	247	2	US-09-252-991A-32400
69	7	0.4	248	2	US-09-248-796A-14220
70	7	0.4	250	2	US-09-602-777A-388
71	7	0.4	251	2	US-09-270-767-33191
72	7	0.4	251	2	US-09-270-767-48408
73	7	0.4	255	2	US-09-270-767-59674
74	7	0.4	261	2	US-09-270-767-47059
75	7	0.4	262	2	US-09-902-540-12687
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78	7	0.4	272	2	US-09-270-767-44311
79	7	0.4	274	2	US-09-949-016-11337
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81	7	0.4	277	2	US-09-248-796A-11743
82	7	0.4	277	2	US-09-902-540-14737
83	7	0.4	284	2	US-09-252-991A-32062
84	7	0.4	296	2	US-09-446-301A-6
85	7	0.4	295	2	US-09-099-932-6
86	7	0.4	295	2	US-10-392-970-6
87	7	0.4	313	1	US-08-849-536A-5
88	7	0.4	313	2	US-09-107-532A-6554
89	7	0.4	313	2	US-09-177-962-103
90	7	0.4	345	2	US-09-134-000C-5010
91	7	0.4	351	2	US-09-857-447-1
92	7	0.4	352	2	US-09-902-540-12834
93	7	0.4	369	2	US-09-724-623-66
94	7	0.4	372	1	US-08-513-278-2
95	7	0.4	372	6	5514582-2
96	7	0.4	385	1	US-08-540-539A-2
97	7	0.4	385	1	US-08-461-592B-2
98	7	0.4	385	1	US-09-902-540-16462
99	7	0.4	394	2	US-09-710-279-552
100	7	0.4	397	2	US-09-248-796A-20419

101	7	0.4	403	2	US-09-170-496D-114	Sequence 114, App	174	7	0.4	567	2	US-09-583-110-4254	Sequence 4254, Ap
102	7	0.4	403	2	US-09-170-496D-224	Sequence 224, App	175	7	0.4	572	2	US-09-107-433-1396	Sequence 1396, Ap
103	7	0.4	403	2	US-09-743-742B-4	Sequence 4, Appl1	176	7	0.4	583	2	US-09-902-540-10714	Sequence 10714, A
104	7	0.4	403	2	US-09-743-742B-10	Sequence 10, Appl1	177	7	0.4	592	2	US-09-248-796A-15425	Sequence 15425, A
105	7	0.4	403	2	US-09-270-767-3668	Sequence 3668, A	178	7	0.4	603	2	US-09-902-540-9866	Sequence 9866, A
106	7	0.4	403	2	US-09-270-767-51905	Sequence 51905, A	179	7	0.4	621	2	US-09-489-039A-9256	Sequence 9256, Ap
107	7	0.4	408	2	US-09-248-796A-14591	Sequence 14591, A	180	7	0.4	628	2	US-09-252-991A-30904	Sequence 30904, A
108	7	0.4	409	2	US-09-560-761B-24	Sequence 24, Appl1	181	7	0.4	648	2	US-09-252-991A-24104	Sequence 24104, A
109	7	0.4	410	2	US-09-328-352-5095	Sequence 5085, Ap	182	7	0.4	655	2	US-09-949-016-9577	Sequence 9577, Ap
110	7	0.4	411	2	US-09-689-343B-4	Sequence 4, Appl1	183	7	0.4	660	2	US-09-489-039A-12466	Sequence 12466, A
111	7	0.4	414	2	US-09-540-236-2578	Sequence 2578, Ap	184	7	0.4	671	2	US-09-198-452A-468	Sequence 468, App
112	7	0.4	427	2	US-09-252-991A-19847	Sequence 19847, A	185	7	0.4	691	2	US-09-538-092-421	Sequence 421, App
113	7	0.4	431	2	US-09-252-991A-33589	Sequence 32589, A	186	7	0.4	691	2	US-09-902-540-11035	Sequence 11035, A
114	7	0.4	433	1	US-08-466-120-2	Sequence 2, Appl1	187	7	0.4	692	2	US-09-252-991A-26724	Sequence 26724, A
115	7	0.4	433	4	PCT-US94-07266-2	Sequence 2, Appl1	188	7	0.4	693	2	US-09-949-016-7243	Sequence 7243, Ap
116	7	0.4	440	1	US-08-333-358-8	Sequence 8, Appl1	189	7	0.4	696	2	US-09-252-991A-28636	Sequence 28636, A
117	7	0.4	440	1	US-08-463-694-8	Sequence 8, Appl1	190	7	0.4	717	2	US-09-949-016-9436	Sequence 9436, Ap
118	7	0.4	440	1	US-08-694-501-8	Sequence 8, Appl1	191	7	0.4	724	2	US-09-252-991A-30884	Sequence 30884, A
119	7	0.4	443	1	US-09-134-001C-3148	Sequence 3148, Ap	192	7	0.4	764	2	US-09-370-838-67	Sequence 67, Appl1
120	7	0.4	447	1	US-08-373-935-1	Sequence 1, Appl1	193	7	0.4	764	2	US-09-538-092-944	Sequence 944, App
121	7	0.4	447	2	US-10-329-668-2	Sequence 2, Appl1	194	7	0.4	764	2	US-09-854-133-67	Sequence 67, Appl1
122	7	0.4	448	2	US-09-489-039A-12792	Sequence 12792, A	195	7	0.4	767	2	US-09-949-016-6167	Sequence 6167, Ap
123	7	0.4	450	2	US-09-369-364A-19	Sequence 19, Appl1	196	7	0.4	770	2	US-09-981-953A-2	Sequence 2, Appl1
124	7	0.4	450	2	US-09-949-016-7527	Sequence 7527, Ap	197	7	0.4	781	2	US-09-981-953A-11035	Sequence 9773, Ap
125	7	0.4	452	2	US-09-252-991A-30368	Sequence 30368, A	198	7	0.4	789	2	US-09-949-016-9432	Sequence 9432, Ap
126	7	0.4	452	2	US-09-489-039A-12162	Sequence 12162, A	199	7	0.4	800	1	US-08-785-052-4	Sequence 4, Appl1
127	7	0.4	453	2	US-09-949-016-8058	Sequence 8058, Ap	200	7	0.4	800	1	US-08-913-581-4	Sequence 10, Appl1
128	7	0.4	453	2	US-09-949-016-8413	Sequence 8413, Ap	201	7	0.4	803	1	US-08-158-233-10	Sequence 10, Appl1
129	7	0.4	455	2	US-09-328-352-7505	Sequence 7505, Ap	202	7	0.4	803	1	US-08-304-626-10	Sequence 10, Appl1
130	7	0.4	465	2	US-09-603-208A-258	Sequence 258, App	203	7	0.4	803	1	US-08-316-301A-12	Sequence 12, Appl1
131	7	0.4	467	2	US-09-489-039A-7790	Sequence 7790, Ap	204	7	0.4	803	1	US-08-611-928-10	Sequence 10, Appl1
132	7	0.4	468	2	US-09-270-767-44250	Sequence 44250, A	205	7	0.4	803	2	US-09-173-891-10	Sequence 10, Appl1
133	7	0.4	470	2	US-09-252-991A-23310	Sequence 23310, A	206	7	0.4	803	2	US-09-076-137-12	Sequence 12, Appl1
134	7	0.4	472	2	US-09-252-991A-32479	Sequence 32479, A	207	7	0.4	803	2	US-09-738-363-12	Sequence 12, Appl1
135	7	0.4	481	2	US-09-914-259-36	Sequence 36, Appl1	208	7	0.4	803	4	PCT-US92-03624-12	Sequence 12, Appl1
136	7	0.4	484	1	US-10-104-047-2240	Sequence 2240, Ap	209	7	0.4	823	2	US-09-248-796A-18641	Sequence 18641, A
137	7	0.4	486	1	US-08-942-423-3	Sequence 3, Appl1	210	7	0.4	831	2	US-09-949-016-8339	Sequence 8339, Ap
138	7	0.4	486	2	US-09-036-987A-16	Sequence 16, Appl1	211	7	0.4	895	2	US-09-489-039A-1893	Sequence 7893, Ap
139	7	0.4	486	2	US-09-370-700-16	Sequence 16, Appl1	212	7	0.4	904	2	US-09-543-681A-4485	Sequence 4485, Ap
140	7	0.4	486	2	US-09-914-259-35	Sequence 35, Appl1	213	7	0.4	917	1	US-08-243-295-2	Sequence 2, Appl1
141	7	0.4	486	2	US-09-603-207-7	Sequence 35, Appl1	214	7	0.4	917	1	US-08-481-130-2	Sequence 4, Appl1
142	7	0.4	486	2	US-09-976-594-278	Sequence 16, Appl1	215	7	0.4	917	1	US-08-656-984A-2	Sequence 2, Appl1
143	7	0.4	486	2	US-09-538-092-926	Sequence 278, App	216	7	0.4	917	1	US-08-485-604-2	Sequence 2, Appl1
144	7	0.4	486	2	US-09-949-016-6216	Sequence 926, App	217	7	0.4	917	1	US-08-487-596-2	Sequence 2, Appl1
145	7	0.4	488	1	US-07-794-393-2	Sequence 2, Appl1	218	7	0.4	927	2	US-09-328-352-7922	Sequence 7922, Ap
146	7	0.4	488	2	US-08-001-711-2	Sequence 22, Appl1	219	7	0.4	942	2	US-09-171-931C-40	Sequence 40, Appl1
147	7	0.4	488	2	US-08-704-711A-22	Sequence 22, Appl1	220	7	0.4	947	2	US-09-438-185A-447	Sequence 447, App
148	7	0.4	488	2	US-09-521-220-22	Sequence 22, Appl1	221	7	0.4	981	2	US-09-252-991A-16798	Sequence 16798, A
149	7	0.4	488	2	US-09-391-104-31	Sequence 31, Appl1	222	7	0.4	1019	2	US-09-543-681A-4447	Sequence 4447, Ap
150	7	0.4	489	1	US-07-903-103-4	Sequence 4, Appl1	223	7	0.4	1081	2	US-09-369-364A-17	Sequence 17, Appl1
151	7	0.4	489	1	US-08-044-619A-4	Sequence 4, Appl1	224	7	0.4	1104	2	US-09-981-953A-4	Sequence 4, Appl1
152	7	0.4	489	1	US-08-283-911-4	Sequence 4, Appl1	225	7	0.4	1105	2	US-09-949-016-8227	Sequence 8227, Ap
153	7	0.4	489	1	US-08-245-500A-5	Sequence 5, Appl1	226	7	0.4	1117	2	US-09-949-016-6148	Sequence 6148, Ap
154	7	0.4	489	1	US-08-390-546-5	Sequence 5, Appl1	227	7	0.4	1237	2	US-09-862-027-78	Sequence 78, Appl1
155	7	0.4	489	1	US-08-390-479A-5	Sequence 5, Appl1	228	7	0.4	1257	2	US-09-252-991A-17290	Sequence 17290, A
156	7	0.4	489	1	US-08-557-393-5	Sequence 5, Appl1	229	7	0.4	1294	2	US-09-328-352-6314	Sequence 6314, Ap
157	7	0.4	489	1	US-08-390-517A-5	Sequence 5, Appl1	230	7	0.4	1304	2	US-09-489-039A-13449	Sequence 13449, A
158	7	0.4	489	1	US-08-390-517A-5	Sequence 5, Appl1	231	7	0.4	1395	2	US-09-540-245A-15	Sequence 15, Appl1
159	7	0.4	489	1	US-08-390-515A-5	Sequence 5, Appl1	232	7	0.4	1395	2	US-10-289-776-15	Sequence 15, Appl1
160	7	0.4	489	1	US-08-801-718-5	Sequence 5, Appl1	233	7	0.4	2388	2	US-09-695-795A-2	Sequence 2, Appl1
161	7	0.4	489	2	US-08-448-489-11	Sequence 11, Appl1	234	7	0.4	3594	2	US-09-911-842A-4	Sequence 4, Appl1
162	7	0.4	489	2	US-09-170-159A-5	Sequence 5, Appl1	235	7	0.4	6396	2	US-09-410-551B-72	Sequence 72, Appl1
163	7	0.4	489	2	US-09-480-718-46	Sequence 46, Appl1	236	7	0.4	6396	2	US-09-940-315B-72	Sequence 72, Appl1
164	7	0.4	489	2	US-09-134-000C-4888	Sequence 4888, Ap	237	7	0.4	671	2	US-08-188-223-9	Sequence 92, Appl1
165	7	0.4	489	2	US-09-689-730-11	Sequence 11, Appl1	238	7	0.4	7	2	US-08-968-466-9	Sequence 9, Appl1
166	7	0.4	490	2	US-09-252-991A-19601	Sequence 19601, A	239	6	0.4	7	2	US-08-478-546B-9	Sequence 9, Appl1
167	7	0.4	491	2	US-09-949-016-10808	Sequence 10808, A	240	6	0.4	10	2	US-08-925-002-60	Sequence 60, Appl1
168	7	0.4	494	2	US-09-712-363-222	Sequence 222, App	241	6	0.4	10	2	US-08-847-844A-72	Sequence 72, Appl1
169	7	0.4	495	2	US-10-104-047-3469	Sequence 3469, Ap	242	6	0.4	10	2	US-09-910-552-60	Sequence 60, Appl1
170	7	0.4	498	2	US-09-107-532A-7077	Sequence 7077, Ap	243	6	0.4	12	1	US-08-372-197-3	Sequence 3, Appl1
171	7	0.4	507	2	US-09-446-301A-51	Sequence 51, Appl1	244	6	0.4	14	2	US-09-053-611-21	Sequence 21, Appl1
172	7	0.4	507	2	US-09-949-016-9878	Sequence 9878, Ap	245	6	0.4	14	2	US-10-153-334-37	Sequence 37, Appl1
173	7	0.4	557	2	US-09-413-814-34	Sequence 34, Appl1	246	6	0.4	14	4	PCT-US93-06751-135	Sequence 135, App

247	6	0.4	14	4	PCT-US93-06751-144	Sequence 144, App	320	6	0.4	39	2	US-10-340-484-27	Sequence 27, App1
248	6	0.4	15	2	US-09-140-201-14	Sequence 14, App1	321	6	0.4	40	1	US-08-933-616-3	Sequence 3, App1
249	6	0.4	15	2	US-09-563-222C-63	Sequence 63, App1	322	6	0.4	40	2	US-09-135-121B-5	Sequence 5, App1
250	6	0.4	15	4	PCT-US93-06751-87	Sequence 87, App1	323	6	0.4	41	2	US-09-345-46B-22	Sequence 22, App1
251	6	0.4	16	1	US-08-482-142-60	Sequence 60, App1	324	6	0.4	41	2	US-09-414-453A-22	Sequence 22, App1
252	6	0.4	16	1	US-08-478-572-60	Sequence 60, App1	325	6	0.4	41	2	US-09-288-143-116	Sequence 116, App1
253	6	0.4	16	2	US-08-602-999A-443	Sequence 443, App	326	6	0.4	41	2	US-09-600-118-8	Sequence 8, App1
254	6	0.4	16	2	US-08-484-296-60	Sequence 60, App1	327	6	0.4	42	2	US-10-001-887-90	Sequence 90, App1
255	6	0.4	16	2	US-09-500-124-443	Sequence 443, App	328	6	0.4	43	1	US-08-935-396-4	Sequence 4, App1
256	6	0.4	16	4	PCT-US93-06751-134	Sequence 134, App	329	6	0.4	43	2	US-09-205-25B-888	Sequence 888, App
257	6	0.4	16	4	PCT-US93-06751-145	Sequence 145, App	330	6	0.4	43	2	US-10-004-860-888	Sequence 888, App
258	6	0.4	17	1	US-08-188-223-5	Sequence 5, App1	331	6	0.4	44	2	US-10-318-675-85	Sequence 85, App1
259	6	0.4	17	2	US-08-968-466-5	Sequence 5, App1	332	6	0.4	45	2	US-09-370-767-35994	Sequence 35994, A
260	6	0.4	17	6	US-08-478-546B-5	Sequence 5, App1	333	6	0.4	45	2	US-09-270-767-51211	Sequence 51211, A
261	6	0.4	17	6	5223424-4	Patent No. 5223424	334	6	0.4	45	2	US-10-153-334-34	Sequence 34, App1
262	6	0.4	18	2	US-09-563-222C-64	Sequence 64, App1	335	6	0.4	46	2	US-08-905-223-462	Sequence 462, App
263	6	0.4	18	2	US-09-563-222C-65	Sequence 65, App1	336	6	0.4	46	2	US-08-981-392-52	Sequence 52, App1
264	6	0.4	19	1	US-07-620-669-15	Sequence 15, App1	337	6	0.4	46	2	US-09-908-322-52	Sequence 52, App1
265	6	0.4	19	1	US-07-803-624-15	Sequence 15, App1	338	6	0.4	48	2	US-08-891-640-5	Sequence 5, App1
266	6	0.4	19	1	US-07-998-161-15	Sequence 15, App1	339	6	0.4	48	2	US-09-842-256-5	Sequence 5, App1
267	6	0.4	19	1	US-08-485-588-11	Sequence 11, App1	340	6	0.4	49	2	US-09-270-767-58102	Sequence 58102, A
268	6	0.4	19	1	US-08-484-565-11	Sequence 11, App1	341	6	0.4	49	2	US-10-037-417-57	Sequence 17, App1
269	6	0.4	19	1	US-08-480-751-11	Sequence 11, App1	342	6	0.4	50	2	US-09-345-46B-13	Sequence 13, App1
270	6	0.4	19	1	US-08-943-986-11	Sequence 11, App1	343	6	0.4	50	2	US-09-414-453A-13	Sequence 13, App1
271	6	0.4	19	2	US-08-353-784-11	Sequence 11, App1	344	6	0.4	51	2	US-09-513-999C-4352	Sequence 4352, Ap
272	6	0.4	19	2	US-08-484-159B-11	Sequence 11, App1	345	6	0.4	52	2	US-09-732-210-1031	Sequence 1031, Ap
273	6	0.4	19	2	US-08-484-159-11	Sequence 11, App1	346	6	0.4	53	2	US-09-732-210-1041	Sequence 1041, Ap
274	6	0.4	19	2	US-10-153-334-35	Sequence 35, App1	347	6	0.4	53	2	US-09-621-976-4665	Sequence 4645, Ap
275	6	0.4	19	2	US-10-012-896-985	Sequence 985, App	348	6	0.4	56	2	US-09-439-313-564	Sequence 564, App
276	6	0.4	20	1	US-08-279-058B-18	Sequence 18, App1	349	6	0.4	58	2	US-09-439-313-547	Sequence 547, App
277	6	0.4	20	2	US-08-828-323-18	Sequence 18, App1	350	6	0.4	58	2	US-09-904-615-101	Sequence 101, App
278	6	0.4	20	2	US-08-828-323A-18	Sequence 18, App1	351	6	0.4	58	2	US-09-636-215-547	Sequence 101, App
279	6	0.4	21	2	US-08-596-257A-1	Sequence 1, App1	352	6	0.4	58	2	US-09-685-166A-547	Sequence 547, App
280	6	0.4	21	2	US-08-746-111-17	Sequence 17, App1	353	6	0.4	58	2	US-09-679-426-547	Sequence 547, App
281	6	0.4	21	2	US-08-860-339-1	Sequence 1, App1	354	6	0.4	58	2	US-09-759-143-547	Sequence 547, App
282	6	0.4	21	2	US-09-177-249-303	Sequence 303, App	355	6	0.4	58	2	US-09-651-236-547	Sequence 547, App
283	6	0.4	21	2	US-09-370-644B-1	Sequence 1, App1	356	6	0.4	58	2	US-09-657-279-547	Sequence 547, App
284	6	0.4	21	2	US-09-573-629-1	Sequence 1, App1	357	6	0.4	58	2	US-10-012-896-547	Sequence 547, App
285	6	0.4	21	2	US-10-208-949-1	Sequence 1, App1	358	6	0.4	58	2	US-10-054-988-101	Sequence 101, App
286	6	0.4	21	2	US-09-812-283-303	Sequence 303, App	359	6	0.4	59	1	US-08-470-720-14	Sequence 14, App1
287	6	0.4	24	1	US-07-832-845-1	Sequence 1, App1	360	6	0.4	59	2	US-08-070-455-14	Sequence 14, App1
288	6	0.4	24	2	US-09-721-108-219	Sequence 219, App	361	6	0.4	60	1	US-08-117-083-20	Sequence 20, App1
289	6	0.4	24	2	US-09-721-108-220	Sequence 220, App	362	6	0.4	60	2	US-08-754-477A-21	Sequence 21, App1
290	6	0.4	24	2	US-09-270-767-41173	Sequence 41173, A	363	6	0.4	60	2	US-08-754-477A-21	Sequence 21, App1
291	6	0.4	24	2	US-09-270-767-56389	Sequence 56389, A	364	6	0.4	60	2	US-09-489-032A-12398	Sequence 12398, A
292	6	0.4	24	2	US-09-153-334-36	Sequence 36, App1	365	6	0.4	60	2	US-09-621-976-6003	Sequence 6003, Ap
293	6	0.4	25	2	US-09-716-129-89	Sequence 89, App1	366	6	0.4	61	2	US-08-605-150A-16	Sequence 16, App1
294	6	0.4	26	1	US-08-482-142-53	Sequence 53, App1	367	6	0.4	61	2	US-08-446-137B-12	Sequence 12, App1
295	6	0.4	26	1	US-08-482-142-55	Sequence 55, App1	368	6	0.4	61	2	US-09-134-001C-5162	Sequence 5162, Ap
296	6	0.4	26	1	US-08-478-572-53	Sequence 53, App1	369	6	0.4	61	2	US-09-248-796A-23496	Sequence 23496, A
297	6	0.4	26	1	US-08-478-572-55	Sequence 55, App1	370	6	0.4	62	1	US-09-107-433-3255	Sequence 3255, Ap
298	6	0.4	26	2	US-08-484-296-53	Sequence 53, App1	371	6	0.4	62	1	US-08-358-160-162	Sequence 162, App
299	6	0.4	26	2	US-08-484-296-55	Sequence 55, App1	372	6	0.4	62	2	US-08-446-137B-11	Sequence 11, App1
300	6	0.4	26	2	US-09-268-992-73	Sequence 73, App1	373	6	0.4	62	2	US-09-270-767-42305	Sequence 42305, A
301	6	0.4	26	2	US-09-657-674-73	Sequence 73, App1	374	6	0.4	62	2	US-09-513-999C-6394	Sequence 6394, Ap
302	6	0.4	26	2	US-09-205-258-1179	Sequence 1179, Ap	375	6	0.4	63	2	US-09-621-976-4016	Sequence 4016, Ap
303	6	0.4	26	2	US-10-004-860-1179	Sequence 1179, Ap	376	6	0.4	63	2	US-09-270-767-59472	Sequence 59472, A
304	6	0.4	27	2	US-08-822-714-37	Sequence 37, App1	377	6	0.4	64	2	US-09-180-167A-31	Sequence 31, App1
305	6	0.4	27	2	US-09-632-711-37	Sequence 37, App1	378	6	0.4	64	2	US-09-328-352-6606	Sequence 6606, Ap
306	6	0.4	27	2	US-09-632-703B-37	Sequence 37, App1	379	6	0.4	64	2	US-09-107-532A-6295	Sequence 6295, Ap
307	6	0.4	27	2	US-09-632-702-37	Sequence 37, App1	380	6	0.4	64	2	US-09-033-524B-31	Sequence 31, App1
308	6	0.4	27	2	US-09-399-003-37	Sequence 37, App1	381	6	0.4	64	2	US-09-621-976-6713	Sequence 6713, Ap
309	6	0.4	28	2	US-09-066-046-19	Sequence 19, App1	382	6	0.4	64	2	US-09-248-796A-24943	Sequence 24943, A
310	6	0.4	28	2	US-09-471-276-988	Sequence 988, App	383	6	0.4	64	2	US-09-248-796A-25484	Sequence 25484, A
311	6	0.4	28	2	US-09-880-498-1	Sequence 1, App1	384	6	0.4	65	2	US-09-774-639-126	Sequence 126, App
312	6	0.4	29	2	US-09-270-767-59733	Sequence 59733, A	385	6	0.4	65	2	US-08-446-137B-10	Sequence 10, App1
313	6	0.4	31	2	US-09-471-276-11231	Sequence 1123, Ap	386	6	0.4	66	2	US-09-248-796A-23471	Sequence 23471, A
314	6	0.4	34	2	US-09-270-767-56876	Sequence 56876, A	387	6	0.4	67	2	US-09-461-325-239	Sequence 239, App
315	6	0.4	35	2	US-09-205-258-616	Sequence 616, App	388	6	0.4	67	2	US-09-461-325-416	Sequence 416, App
316	6	0.4	36	2	US-10-004-860-616	Sequence 616, App	389	6	0.4	67	2	US-10-012-542-239	Sequence 239, App
317	6	0.4	36	2	US-09-438-905-24	Sequence 24, App1	390	6	0.4	67	2	US-10-012-542-416	Sequence 416, App
318	6	0.4	37	2	US-09-227-357-587	Sequence 587, App	391	6	0.4	67	2	US-10-115-123-239	Sequence 239, App
319	6	0.4	37	2	US-09-973-278-533	Sequence 533, App	392	6	0.4	67	2	US-10-115-123-416	Sequence 416, App

393	6	0.4	68	2	US-09-583-110-4302	Sequence 4302, Ap
394	6	0.4	68	2	US-09-248-796A-21744	Sequence 21744, A
395	6	0.4	68	2	US-09-107-433-5009	Sequence 5009, Ap
396	6	0.4	69	2	US-09-252-991A-24924	Sequence 24924, A
397	6	0.4	69	2	US-09-621-976-6899	Sequence 6899, Ap
398	6	0.4	69	2	US-09-902-540-10439	Sequence 10439, A
399	6	0.4	70	2	US-08-858-207A-514	Sequence 514, App
400	6	0.4	70	2	US-09-543-681A-5643	Sequence 5643, Ap
401	6	0.4	70	2	US-09-489-039A-12544	Sequence 12544, A
402	6	0.4	71	2	US-08-928-213B-24	Sequence 24, Appl
403	6	0.4	71	2	US-09-489-039A-12114	Sequence 12114, A
404	6	0.4	71	2	US-09-621-976-7449	Sequence 7449, Ap
405	6	0.4	71	2	US-09-540-236-3286	Sequence 3286, Ap
406	6	0.4	72	2	US-09-270-767-32779	Sequence 32779, A
407	6	0.4	72	2	US-09-370-767-47996	Sequence 47996, A
408	6	0.4	74	2	US-09-248-796A-27243	Sequence 27243, A
409	6	0.4	75	1	US-08-428-415-15	Sequence 15, Appl
410	6	0.4	75	1	US-08-379-685-15	Sequence 15, Appl
411	6	0.4	75	1	US-08-854-029-15	Sequence 15, Appl
412	6	0.4	75	1	US-08-428-762-15	Sequence 15, Appl
413	6	0.4	76	2	US-09-397-243D-9	Sequence 9, Appl
414	6	0.4	76	2	US-09-248-796A-22262	Sequence 23262, A
415	6	0.4	77	2	US-09-107-532A-6045	Sequence 6045, Ap
416	6	0.4	77	2	US-09-621-976-6244	Sequence 6244, Ap
417	6	0.4	77	2	US-09-270-767-57875	Sequence 57875, A
418	6	0.4	77	2	US-09-248-796A-26569	Sequence 26569, A
419	6	0.4	77	2	US-10-178-213-350	Sequence 350, App
420	6	0.4	78	1	US-08-665-220-67	Sequence 67, Appl
421	6	0.4	78	2	US-09-291-692-67	Sequence 67, Appl
422	6	0.4	78	2	US-09-952-768-67	Sequence 67, Appl
423	6	0.4	78	2	US-09-902-540-15111	Sequence 15111, A
424	6	0.4	78	2	US-10-668-955-67	Sequence 67, Appl
425	6	0.4	79	2	US-09-134-000C-3782	Sequence 3782, Ap
426	6	0.4	79	2	US-09-134-000C-5591	Sequence 5591, Ap
427	6	0.4	79	2	US-09-134-000C-6335	Sequence 6335, Ap
428	6	0.4	80	2	US-09-382-155-14	Sequence 14, Appl
429	6	0.4	80	2	US-08-663-191A-3	Sequence 3, Appl
430	6	0.4	80	2	US-09-074-044A-14	Sequence 14, Appl
431	6	0.4	80	2	US-08-905-223-411	Sequence 411, App
432	6	0.4	80	2	US-09-051-624A-2	Sequence 2, Appl
433	6	0.4	80	2	US-09-134-000C-5156	Sequence 5156, Ap
434	6	0.4	80	2	US-09-270-767-60512	Sequence 60512, A
435	6	0.4	81	2	US-08-469-260A-187	Sequence 187, App
436	6	0.4	81	2	US-08-488-446-187	Sequence 187, App
437	6	0.4	81	2	US-08-467-344A-187	Sequence 187, App
438	6	0.4	82	2	US-08-424-550B-187	Sequence 187, App
439	6	0.4	82	2	US-09-621-976-6242	Sequence 6242, Ap
440	6	0.4	83	2	US-09-227-357-652	Sequence 652, App
441	6	0.4	83	2	US-09-270-767-56815	Sequence 56815, A
442	6	0.4	83	2	US-09-513-999C-6584	Sequence 6584, Ap
443	6	0.4	83	2	US-09-973-279-370	Sequence 370, App
444	6	0.4	83	2	US-09-605-703B-1496	Sequence 1496, Ap
445	6	0.4	84	2	US-09-640-211A-633	Sequence 633, App
446	6	0.4	84	2	US-09-198-452A-435	Sequence 435, App
447	6	0.4	85	2	US-09-583-110-3980	Sequence 3980, Ap
448	6	0.4	85	2	US-09-902-540-1165	Sequence 1165, A
449	6	0.4	87	2	US-09-107-433-2620	Sequence 2620, Ap
450	6	0.4	87	2	US-09-471-276-1169	Sequence 1169, Ap
451	6	0.4	88	2	US-09-314-268-135	Sequence 135, App
452	6	0.4	88	2	US-09-107-532A-4930	Sequence 4930, Ap
453	6	0.4	88	2	US-09-621-976-5667	Sequence 5667, Ap
454	6	0.4	88	2	US-09-248-796A-21523	Sequence 21523, A
455	6	0.4	89	2	US-09-352-991A-30357	Sequence 30357, A
456	6	0.4	89	2	US-09-107-532A-5913	Sequence 5913, Ap
457	6	0.4	90	2	US-08-894-173-49	Sequence 49, Appl
458	6	0.4	91	2	US-09-398-193-49	Sequence 49, Appl
459	6	0.4	91	2	US-09-621-976-4684	Sequence 4684, Ap
460	6	0.4	91	2	US-09-621-976-5187	Sequence 5187, Ap
461	6	0.4	91	2	US-09-621-976-7372	Sequence 7372, Ap
462	6	0.4	91	2	US-09-583-110-5161	Sequence 5161, Ap
463	6	0.4	91	2	US-09-270-767-31960	Sequence 31960, A
464	6	0.4	91	2	US-09-270-767-47177	Sequence 47177, A
465	6	0.4	93	2	US-09-543-681A-7003	Sequence 7003, Ap

466	6	0.4	93	2	US-09-818-247-18	Sequence 18, Appl
467	6	0.4	93	2	US-09-605-703B-2708	Sequence 2708, Ap
468	6	0.4	95	2	US-09-134-000C-3666	Sequence 3666, Ap
469	6	0.4	95	2	US-09-252-991A-25599	Sequence 25599, A
470	6	0.4	95	2	US-09-252-991A-27744	Sequence 27744, A
471	6	0.4	95	2	US-09-198-452A-884	Sequence 884, App
472	6	0.4	95	2	US-09-621-976-5459	Sequence 5459, Ap
473	6	0.4	96	2	US-09-270-767-34500	Sequence 34500, A
474	6	0.4	96	2	US-09-270-767-49717	Sequence 49717, A
475	6	0.4	97	1	US-08-306-871-22	Sequence 22, Appl
476	6	0.4	97	1	US-08-569-955-22	Sequence 22, Appl
477	6	0.4	97	2	US-09-489-039A-10490	Sequence 10490, A
478	6	0.4	97	2	US-09-489-039A-13415	Sequence 13415, A
479	6	0.4	98	2	US-09-270-767-41085	Sequence 41085, A
480	6	0.4	98	2	US-09-270-767-56301	Sequence 56301, A
481	6	0.4	98	2	US-09-248-796A-25651	Sequence 25651, A
482	6	0.4	98	2	US-09-513-999C-6291	Sequence 6291, Ap
483	6	0.4	98	2	US-09-818-247-21	Sequence 21, Appl
484	6	0.4	99	2	US-09-107-532A-5390	Sequence 5390, Ap
485	6	0.4	99	2	US-09-905-243-52	Sequence 52, Appl
486	6	0.4	100	2	US-09-198-452A-139	Sequence 139, App
487	6	0.4	100	2	US-09-489-039A-13460	Sequence 13460, A
488	6	0.4	100	2	US-09-513-999C-5962	Sequence 5962, A
489	6	0.4	100	2	US-09-438-185A-123	Sequence 123, App
490	6	0.4	100	2	US-09-438-185A-826	Sequence 826, App
491	6	0.4	101	1	US-08-211-202-139	Sequence 139, App
492	6	0.4	101	2	US-09-328-352-5322	Sequence 5322, Ap
493	6	0.4	101	2	US-09-248-796A-26361	Sequence 26361, A
494	6	0.4	102	2	US-09-621-976-5304	Sequence 5304, Ap
495	6	0.4	102	2	US-09-107-433-4090	Sequence 4090, Ap
496	6	0.4	103	2	US-09-950-933A-89	Sequence 89, Appl
497	6	0.4	104	2	US-09-489-039A-8052	Sequence 8052, Ap
498	6	0.4	105	2	US-09-710-276-158	Sequence 158, App
499	6	0.4	106	2	US-09-187-855-44	Sequence 44, Appl
500	6	0.4	106	2	US-09-187-855-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1

US-09-827-998-3

Sequence 3, Application US/09827998

Patent No. 6656700

GENERAL INFORMATION:

APPLICANT: Gu, Yizhong

FILE REFERENCE: MDHMOF-8

CURRENT FILING DATE: 2001-04-06

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/236,359

NUMBER OF SEQ ID NOS: 1881

SOFTWARE: Acemica Sequence Listing Engine

Patent No. 6656700

SEQ ID NO 3

LENGTH: 1791

TYPE: PRT

ORGANISM: Homo sapiens

US-09-827-998-3

Query Match

Best Local Similarity 83.6%; Score 1303; DB 2; length 1791;

Matches 1503; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SPPESSNONGGCGSREAFNPSGVGLPLTFSGRRRLLRPEVLAIPRAAFVEMV 60

|||||

DB 234 SPPESSNONGGCGSREAFNPSGVGLPLTFSGRRRLLRPEVLAIPRAAFVEMV 293

|||||

QY 61 KPGEQNNPALIAGVFDNCSHVSDKGNALGIRSKDKGKIDARFFFSICTDVRKATIL 120

Db 294 KPEGQNNPAILIAGVFNCSHTVSDKGMALGIRSGDKGRDARFFSLCTDVKATIL 353  
Qy 121 ISHSRQPGTWTVAATYDGRHMAIYDGTQVASSLDQSGPLNSPFMACSRSLILGSDS 180  
Db 354 ISHSRQPGTWTVAATYDGRHMAIYDGTQVASSLDQSGPLNSPFMACSRSLILGSDS 413  
Qy 181 EDGHRFRGLGTLVFNSTALPOSHFQHSQSSGSEBATDVLVTASEPNTMTWVPRDE 240  
Db 414 EDGHRFRGLGTLVFNSTALPOSHFQHSQSSGSEBATDVLVTASEPNTMTWVPRDE 473  
Qy 241 KYRLLEVLOGFEEPEELISPLQPLCGQTVCDNVELISQYNGWPLRGEKVIHYQVNIC 300  
Db 474 KYRLLEVLOGFEEPEELISPLQPLCGQTVCDNVELISQYNGWPLRGEKVIHYQVNIC 533  
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Qy 361 DHCDFPCBHLTGVDGDCRLOGRCYSWNRDGLCHVECNMMLNDPDDGDCDPOVADVR 420  
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Qy 421 KTCFDPDSPRAYMSYKELKEALQINSTHFLNIYFASSVREDLAGAATWPMDOAYTHLG 480  
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Qy 481 GIYLSAYYGMPCGHTDTMHEVGHVGLYHFKVGSERESCNDCKEIVPSMETGDLCD 540  
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Qy 601 YQWMTSRKPTPIPIPMVIGQTNKSLTIHMLPPIGIVYDRASGLSCAGTCDGTFRQY 660  
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Qy 661 VHTASSRRVCDSSGYWTPBEAVGPPVDQCEBSLOAMSEVHLYHNMNTVPCPTGCSL 720  
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Qy 781 DGVSVGVKVTYTPDERIEIDALITTSQPHSLCSGCRPVRYQVLRDPPFASGLPVVYTHSH 840  
Db 1014 DGVSVGVKVTYTPDERIEIDALITTSQPHSLCSGCRPVRYQVLRDPPFASGLPVVYTHSH 1073  
Qy 841 RKFTDVEVTPGQMYQVOLAAGAGELGASPLPLNHIGAPYCGDGKVSERLGEBCDDGL 900  
Db 1074 RKFTDVEVTPGQMYQVOLAAGAGELGASPLPLNHIGAPYCGDGKVSERLGEBCDDGL 1133  
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Qy 1081 YGLSCQHNPLIINVTTHQVNLPHHTTSVLANPSSPRVGSISAVALKRTSSRIGLSAPNCIS 1140  
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Qy 1501 EPPQA 1505  
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RESULT 2  
US-09-827-998-10  
; Sequence 10, Application us/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMRP-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecmeca Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 10  
; LENGTH: 1770  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-827-998-10

Query Match 83.4%; Score 1299; DB 2; Length 1770;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1499; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 294 KPEGQNNPAILIAGVFNCSHTVSDKGMALGIRSGDKGRDARFFSLCTDVKATIL 353  
Qy 121 ISHSRQPGTWTVAATYDGRHMAIYDGTQVASSLDQSGPLNSPFMACSRSLILGSDS 180  
Db 354 ISHSRQPGTWTVAATYDGRHMAIYDGTQVASSLDQSGPLNSPFMACSRSLILGSDS 413  
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Db 474 KYRLLEVLOGFEEPEELISPLQPLCGQTVCDNVELISQYNGWPLRGEKVIHYQVNIC 533  
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Qy 721 ELLFQHPVQADTLTTLWTSFPMSSQVLPTEILLNKSSVHLGPIDTPCDITLTKLHY 780  
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Qy 781 DGVSVGVKVTYTPDERIEIDALITTSQPHSLCSGCRPVRYQVLRDPPFASGLPVVYTHSH 840  
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Qy 841 RKFTDVEVTPGQMYQVOLAAGAGELGASPLPLNHIGAPYCGDGKVSERLGEBCDDGL 900  
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Db 1314 YGLSCQHNPLIINVTTHQVNLPHHTTSVLANPSSPRVGSISAVALKRTSSRIGLSAPNCIS 1373  
Qy 1141 EDEGQNHQGSCTIHRCGKQDSCPSLLLDHADVNTCTSIGPGLMKCAITCQGFALQASS 1200

Db 474 KYPRLEVLQGFEBEPEILSLQPLCGQTCDNVELLISQNGXWPLRGEKIVRYQVNVIC 533  
Qy 301 DDEGNLPIVSEBQIRLOHEALNEAFSRNYISWQLSHOVHNSLTRRNVLVNCEBPKIGN 360  
Db 534 DDEGNLPIVSEBQIRLOHEALNEAFSRNYISWQLSHOVHNSLTRRNVLVNCEBPKIGN 593  
Qy 361 DHCDECEHPLTGYDGDCLQRCYCSNWRBDGLCHVECNMNLDDDDCCDPQVADVR 420  
Db 594 DHCDECEHPLTGYDGDCLQRCYCSNWRBDGLCHVECNMNLDDDDCCDPQVADVR 653  
Qy 421 KTCFDPDSBKRAYMSVKELEKALQLNSTHFLNLYFASSVREDLAGAATMPMDKAVTHLG 480  
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Qy 481 GIVLSPAYYGMGHDITMHEVGHVGLYHVFKEVSEBRSNDPCKEYTPSMETGDLCAD 540  
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Qy 541 TAPTEKSELCREPEPTSDTCGFTFPGABFTNMYSTYDNCNDCTDFTPNQVAMHCYLDLY 600  
Db 774 TAPTEKSELCREPEPTSDTCGFTFPGABFTNMYSTYDNCNDCTDFTPNQVAMHCYLDLY 833  
Qy 601 YQOMTESRKPTPIPIPPMVIQGTNKSLLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQY 660  
Db 834 YQOMTESRKPTPIPIPPMVIQGTNKSLLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQY 893  
Qy 661 VHTASSRRVCDSSGYWTPBEAVCPRPVDDPCBESLOAMSPEVHLVYHNMNTVPCPTGCSL 720  
Db 894 VHTASSRRVCDSSGYWTPBEAVCPRPVDDPCBESLOAMSPEVHLVYHNMNTVPCPTGCSL 953  
Qy 721 ELLFQHPVQADTLTLMTWTSFFMESSQVLFDTIELLENKESVHLGPDTECDIPLTIKLV 780  
Db 954 ELLFQHPVQADTLTLMTWTSFFMESSQVLFDTIELLENKESVHLGPDTECDIPLTIKLV 1013  
Qy 781 DGRVSGVKKYTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPASGLPVVVTSH 840  
Db 1014 DGRVSGVKKYTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPASGLPVVVTSH 1073  
Qy 841 RKFTEVETVPGOMYQOVLAEAGGELGEASPLNHIHGAPYCGDGVSRLEBECDDGL 900  
Db 1074 RKFTEVETVPGOMYQOVLAEAGGELGEASPLNHIHGAPYCGDGVSRLEBECDDGL 1133  
Qy 901 VSGDGSCKVCELEBEGNCVGEPSLCYMEBGDGCCEPERKTSIVDCGIYTPKGYLDQMA 960  
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Qy 961 RAYSHHEDKKCPVSLVTGEPSHSLICTSYHPLPNHRPLTGWPCVASENETQDDREOP 1020  
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Qy 1021 EBSLKKEDEVMVKVCNRRGEARAFIPLTTDGLVGEHQPTVTLXLTVDVGSNHSIGT 1080  
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Qy 1081 YELSCQHNELIINVTHQVNLFHHNTSVLNFSSPVGISAVALARTSSRIGLSAPNCIS 1140  
Db 1314 YELSCQHNELIINVTHQVNLFHHNTSVLNFSSPVGISAVALARTSSRIGLSAPNCIS 1373  
Qy 1141 EDEGONHOGQSCIHRCCKQDSCPSILLDHADVNTCTSGPGIMKCAITCQGFALQASS 1200  
Db 1374 EDEGONHOGQSCIHRCCKQDSCPSILLDHADVNTCTSGPGIMKCAITCQGFALQASS 1433  
Qy 1201 GQYIIPMOKEILLTSSGHDQNVSCLPVDCGVPDPSLVNANFSGSEBTKFLKRSISIC 1260  
Db 1434 GQYIIPMOKEILLTSSGHDQNVSCLPVDCGVPDPSLVNANFSGSEBTKFLKRSISIC 1493  
Qy 1261 VPPAKLQGSPLWLTCLDEGLMSLPEYCYKLECDAPPIIINANILLPHCQODNHDVGTICK 1320  
Db 1494 VPPAKLQGSPLWLTCLDEGLMSLPEYCYKLECDAPPIIINANILLPHCQODNHDVGTICK 1553  
Qy 1321 YECKPGYVABSAEGKVRNKLKTIQCLBGGIWEQSCIPVCEBPPPVFEGMYECTNGPS 1380  
Db 1554 YECKPGYVABSAEGKVRNKLKTIQCLBGGIWEQSCIPVCEBPPPVFEGMYECTNGPS 1613

Qy 1381 LDSQCVLNCNOBREKLPILCTKEGLMTQEFKLCENLQCEBPPPSBLINSVEYKCEGCGYI 1440  
Db 1614 LDSQCVLNCNOBREKLPILCTKEGLMTQEFKLCENLQCEBPPPSBLINSVEYKCEGCGYI 1673  
Qy 1441 GAVCSPLCVIPPSDPMVLPENITADTLBHMPEPVQSIIVCTGRQMPDPVLYHCIOGC 1500  
Db 1674 GAVCSPLCVIPPSDPMVLPENITADTLBHMPEPVQSIIVCTGRQMPDPVLYHCIOGC 1733  
Qy 1501 E 1501  
Db 1734 E 1734  
RESULT 3  
US-09-827-998-16  
; Sequence 16, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; APPLICANT: Shannon, Mark  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDMORE-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecmica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 16  
; LENGTH: 1385  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-827-998-16  
Query Match 36.8%; Score 574; DB 2; Length 1385;  
Best Local Similarity 99.5%; Pred. No. 0;  
Matches 1074; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
Qy 480 GQIVLSPAYYGMGHDITMHEVGHVGLYHVFKEVSEBRSNDPCKEYTPSMETGDLCA 539  
Db 307 GQIVLSPAYYGMGHDITMHEVGHVGLYHVFKEVSEBRSNDPCKEYTPSMETGDLCA 366  
Qy 540 DTAPTEKSELCREPEPTSDTCGFTFPGABFTNMYSTYDNCNDCTDFTPNQVAMHCYLDL 599  
Db 367 DTAPTEKSELCREPEPTSDTCGFTFPGABFTNMYSTYDNCNDCTDFTPNQVAMHCYLDL 426  
Qy 600 YQOMTESRKPTPIPIPPMVIQGTNKSLLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQ 659  
Db 427 YQOMTESRKPTPIPIPPMVIQGTNKSLLTIHMLPPIISGVVYDRASGSLCGACTEDGTFRQ 486  
Qy 660 VHTASSRRVCDSSGYWTPBEAVCPRPVDDPCBESLOAMSPEVHLVYHNMNTVPCPTGCS 719  
Db 487 VHTASSRRVCDSSGYWTPBEAVCPRPVDDPCBESLOAMSPEVHLVYHNMNTVPCPTGCS 546  
Qy 720 ELLFQHPVQADTLTLMTWTSFFMESSQVLFDTIELLENKESVHLGPDTECDIPLTIKLV 779  
Db 547 ELLFQHPVQADTLTLMTWTSFFMESSQVLFDTIELLENKESVHLGPDTECDIPLTIKLV 606  
Qy 780 VDGKVSQVKKYTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPASGLPVVVTSH 839  
Db 607 VDGKVSQVKKYTFDERIEIDALLTSQHSPLCSGCRPVRYQVLRDPPASGLPVVVTSH 666  
Qy 840 HRFKFDVETVPGOMYQOVLAEAGGELGEASPLNHIHGAPYCGDGVSRLEBECDDGD 899  
Db 667 HRFKFDVETVPGOMYQOVLAEAGGELGEASPLNHIHGAPYCGDGVSRLEBECDDGD 726  
Qy 900 LVSQDGSCKVCELEBEGNCVGEPSLCYMEBGDGCCEPERKTSIVDCGIYTPKGYLDQMA 959  
Db 727 LVSQDGSCKVCELEBEGNCVGEPSLCYMEBGDGCCEPERKTSIVDCGIYTPKGYLDQMA 786

QY 960 TRAYSHEDKKKCPVSLVTGEPHSLICTSYHPLD.PNHRPLTGMPPCVASNETODDRSEQ 1019  
DB 787 TRAYSHEDKKKCPVSLVTGEPHSLIKRTSYHPLD.PNHRPLTGMPPCVASNETODDRSEQ 846  
QY 1020 PEGSLKKEDEVMVKVCENRPGEARAIFILTTDGLVGEHQPTVLYLTVDVGSNHLG 1079  
DB 847 PEGSLKKEDEVMVKVCENRPGEARAIFILTTDGLVGEHQPTVLYLTVDVGSNHLG 906  
QY 1080 TYGLSCQNPPLIINVTTHQNVLFHHTTSVLLNFSSPRVGIISAVALRTSSRIGLSAPBNCT 1139  
DB 907 TYGLSCQNPPLIINVTTHQNVLFHHTTSVLLNFSSPRVGIISAVALRTSSRIGLSAPBNCT 966  
QY 1140 SEDEGNHOGQSCIHRCPCGKODSCPSLLDHDVNVNSTSGPLMKATTCQGFALQAS 1199  
DB 967 SEDEGNHOGQSCIHRCPCGKODSCPSLLDHDVNVNSTSGPLMKATTCQGFALQAS 1026  
QY 1200 SCQYIRPMQKEILLTSSGHMDQNVSLPVDGCVDPDSLNVANFSCSEGTKEFLKRCSSIS 1259  
DB 1027 SBQYIRPMQKEILLTSSGHMDQNVSLPVDGCVDPDSLNVANFSCSEGTKEFLKRCSSIS 1086  
QY 1260 CVPAPAKLQGLSPWLTCLEJGMSLPEVYCKLECDAPPIIANALLPHCLQDNHADVGTIC 1319  
DB 1087 CVPAPAKLQGLSPWLTCLEJGMSLPEVYCKLECDAPPIIANALLPHCLQDNHADVGTIC 1146  
QY 1320 KYBCKRGYVYASABEGVNRKLLKIQCLEGGIWEQSCIPVCEPPRPVREGMYECTNGF 1379  
DB 1147 KYBCKRGYVYASABEGVNRKLLKIQCLEGGIWEQSCIPVCEPPRPVREGMYECTNGF 1206  
QY 1380 SLDSQCVLNCNQRKPLICTKEGLMTQFCLKENIQCEPPRPSELNSVEKCEQGYG 1439  
DB 1207 SLDSQCVLNCNQRKPLICTKEGLMTQFCLKENIQCEPPRPSELNSVEKCEQGYG 1266  
QY 1440 IGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQWHPDVLVACIOS 1499  
DB 1267 IGAVCSPLCVIPSPDPVMLPENITADTLEHMEPVKQSVICTGRQWHPDVLVACIOS 1326  
QY 1500 CEFPOADGCDTINNRAYCHYDGDCCSSTLSKRYIPPAADDDLBECTCRDKABENO 1558  
DB 1327 CEFPOADGCDTINNRAYCHYDGDCCSSTLSKRYIPPAADDDLBECTCRDKABENO 1385

RESULT 4  
US-09-9827-998-18  
Sequence 18, Application US/09827998  
Patent No. 6656700  
GENERAL INFORMATION:  
APPLICANT: Gu, Yizhong  
APPLICANT: Shannon, Mark  
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
FILE REFERENCE: MDHWORF-8  
CURRENT APPLICATION NUMBER: US/09/827,998  
CURRENT FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
NUMBER OF SEQ ID NOS: 1881  
SOFTWARE: Aecmica Sequence Listing Engine  
Patent No. 6656700  
SEQ ID NO 18  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-827-998-18

Query Match 0.7%; Score 11; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.0036;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 480 GGIVLSPAYYG 490  
DB 10 GGIVLSPAYYG 20

RESULT 5  
US-09-902-540-13412  
Sequence 13412, Application US/09902540  
Patent No. 6833447  
GENERAL INFORMATION:  
APPLICANT: Goldman, Barry S.  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Wiegand, Roger C.  
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
FILE REFERENCE: 38-10(15849)B  
CURRENT APPLICATION NUMBER: US/09/902,540  
CURRENT FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: 60/217,883  
PRIOR FILING DATE: 2000-07-10  
NUMBER OF SEQ ID NOS: 16825  
SEQ ID NO 13412  
LENGTH: 211  
TYPE: PRT  
ORGANISM: Myxococcus xanthus  
US-09-902-540-13412

Query Match 0.6%; Score 9; DB 2; Length 211;  
Best Local Similarity 100.0%; Pred. No. 3.1;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 500 HEVGHVGL 508  
DB 23 HEVGHVGL 31

RESULT 6  
US-09-079-030-90  
Sequence 90, Application US/09079030  
Patent No. 6635623  
GENERAL INFORMATION:  
APPLICANT: Guevera, Jr., Juan G.  
APPLICANT: Hoogveen, Ron C.  
APPLICANT: Moore, Paul J.  
TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY  
TITLE OF INVENTION: VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS  
NUMBER OF SEQUENCES: 229  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,030  
FILING DATE: Concurrently Herewith  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: McMillian, Nabela R.  
REGISTRATION NUMBER: P-43,363  
REFERENCE/DOCKET NUMBER: ARAG:003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512/418-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 90:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear

US-09-079-030-90

Query Match 0.5%; Score 8; DB 2; Length 47;  
Best Local Similarity 100.0%; Pred. No. 8;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||

DB 32 GTYGLSCQ 39

RESULT 7  
US-09-732-210-781

; Sequence 781, Application US/097322210

; Patent No. 6573361

; GENERAL INFORMATION:

; APPLICANT: Bunkers, Greg J.

; APPLICANT: Liang, Jihong

; APPLICANT: Mitanck, Cindy A.

; APPLICANT: Seale, Jeffrey W.

; APPLICANT: Wu, Yonnie S.

; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use

; FILE REFERENCE: 38-21(15036)B

; CURRENT APPLICATION NUMBER: US/09/732,210

; CURRENT FILING DATE: 2000-12-07

; PRIOR APPLICATION NUMBER: US 60/169,513

; PRIOR FILING DATE: 1999-12-07

; PRIOR APPLICATION NUMBER: US 60/169,340

; PRIOR FILING DATE: 1999-12-07

; NUMBER OF SEQ ID NOS: 1753

; SEQ ID NO 781

; LENGTH: 105

; TYPE: PRF

; ORGANISM: Thermotoga maritima

US-09-732-210-781

QY 94 SGKDKGR 101  
|||||

DB 13 SGKDKGR 20

RESULT 8  
US-09-949-016-11427

; Sequence 11427, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 11427

; LENGTH: 382

; TYPE: PRF

; ORGANISM: Human

US-09-949-016-11427

Query Match 0.5%; Score 8; DB 2; Length 382;  
Best Local Similarity 100.0%; Pred. No. 54;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443  
|||||

DB 40 VKELKEAL 47

RESULT 9  
US-09-252-991A-31900

; Sequence 31900, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 31900

; LENGTH: 400

; TYPE: PRF

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-31900

Query Match 0.5%; Score 8; DB 2; Length 400;  
Best Local Similarity 100.0%; Pred. No. 56;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 45 VLAETPRE 52  
|||||

DB 189 VLAETPRE 196

RESULT 10  
US-09-134-000C-4291

; Sequence 4291, Application US/09134000C

; Patent No. 6617156

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; FILE REFERENCE: 032796-032

; CURRENT APPLICATION NUMBER: US/09/134,000C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/055,778

; PRIOR FILING DATE: 1997-08-15

; NUMBER OF SEQ ID NOS: 6812

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 4291

; LENGTH: 494

; TYPE: PRF

; ORGANISM: Enterococcus faecalis

US-09-134-000C-4291

Query Match 0.5%; Score 8; DB 2; Length 494;  
Best Local Similarity 100.0%; Pred. No. 68;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 646 SLGACTE 653  
|||||

DB 368 SLGACTE 375

RESULT 11  
US-09-536-059-3

; Sequence 3, Application US/09536059

; Patent No. 6544737

; GENERAL INFORMATION:

; APPLICANT: Blumenfeld, Marta



APPLICANT: Chumakov, Ilya  
APPLICANT: Bougueleret, Lydie  
TITLE OF INVENTION: GENOMIC SEQUENCE OF THE PURH GENE AND PURH-RELATED BIALLIIC  
FILE REFERENCE: GENSET.058AUS  
CURRENT APPLICATION NUMBER: US/09/536,059  
CURRENT FILING DATE: 2000-03-31  
PRIOR APPLICATION NUMBER: US 60/125,961  
PRIOR FILING DATE: 1999-03-24  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: Patent.pm  
SEQ ID NO 3  
LENGTH: 592  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: VARIANT  
LOCATION: 116  
OTHER INFORMATION: Xaa-Thr or Ser  
US-09-536-059-3

Query Match 0.5%; Score 8; DB 2; Length 592;  
Best Local Similarity 100.0%; Pred. No. 80;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEAL 443  
|||||  
DB 250 VKELKEAL 257

RESULT 12  
US-09-180-422B-27  
Sequence 27, Application US/09180422B  
Patent No. 6444644  
GENERAL INFORMATION:  
APPLICANT: BRUCKDORFER, KARL R  
TITLE OF INVENTION: ANTICOAGULANT PEPTIDE FRAGMENTS DERIVED  
FROM APOLIPROTEIN B-100  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE, P.C.  
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/180,422B  
FILING DATE: 07-Dec-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: SADOFF, B. J.  
REGISTRATION NUMBER: 36663  
REFERENCE/DOCKET NUMBER: 117-268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 7038164100  
TELEFAX: 7038164100  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4536 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 27:  
US-09-180-422B-27

Query Match 0.5%; Score 8; DB 2; Length 4536;  
Best Local Similarity 100.0%; Pred. No. 5e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
DB 1472 GTYGLSCQ 1479

RESULT 13  
US-09-079-030-1  
Sequence 1, Application US/09079030  
Patent No. 6635623  
GENERAL INFORMATION:  
APPLICANT: Guevera, Jr., Juan G.  
APPLICANT: Hoogeveen, Ron C.  
APPLICANT: Moore, Paul J.  
TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY  
VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS  
NUMBER OF SEQUENCES: 229  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,030  
FILING DATE: Concurrently Herewith  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: McMillian, Nabuela R.  
REGISTRATION NUMBER: P-43,363  
REFERENCE/DOCKET NUMBER: ARAG:003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512/418-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4536 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-09-079-030-1

Query Match 0.5%; Score 8; DB 2; Length 4536;  
Best Local Similarity 100.0%; Pred. No. 5e+02;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1079 GTYGLSCQ 1086  
|||||  
DB 1472 GTYGLSCQ 1479

RESULT 14  
US-09-108-006C-1  
Sequence 1, Application US/09108006C  
Patent No. 6524613  
GENERAL INFORMATION:  
APPLICANT: Steer, Clifford J.  
Kren, Betsy T.  
Bandyopadhyay, Paramita  
Roy-Chowdhury, Jayanta  
TITLE OF INVENTION: Hepatocellular Chimera  
NUMBER OF SEQUENCES: 62  
CORRESPONDENCE ADDRESS:

```
/ ADDRESSER: Kimeragen, Inc.
/ STREET: 300 Pheasant Run
/ CITY: Newtown
/ STATE: PA
/ COUNTRY: USA
/ ZIP: 18940
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/108,006C
/ FILING DATE: 30-Jun-1992
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/054,288
/ FILING DATE: 30-APR-1997
/ APPLICATION NUMBER: 60/054,837
/ FILING DATE: 05-AUG-1997
/ APPLICATION NUMBER: 60/064,996
/ FILING DATE: 10-NOV-1997
/ APPLICATION NUMBER: 60/074,497
/ FILING DATE: 12-FEB-1998
/ APPLICATION NUMBER: PCT US 98/08834
/ FILING DATE: 30-APR-1998
/
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Friebe1, Thomas
/ REGISTRATION NUMBER: 29258
/ REFERENCE/DOCKET NUMBER: 7991-015-999
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-504-4444
/ TELEFAX: 215-504-4545
/
/ TELEX: <Unknown>
/
/ INFORMATION FOR SEQ ID NO: 1:
/
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 4563 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
/ MOLECULE TYPE: protein
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-108-006C-1

Query Match      0.5%; Score 8; DB 2; Length 4563;
Best Local Similarity 100.0%; Pred.No.5.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1079 GTYGLSCQ 1086
DB      1499 GTYGLSCQ 1506

RESULT 15
US-09-538-092-842
/ Sequence 842, Application US/09538092
/ Patent No. 6753314
/
/ GENERAL INFORMATION:
/ APPLICANT: Giot, Joic
/ APPLICANT: Mansfield, Traci A.
/ TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
/ FILE REFERENCE: 15966-542
/ CURRENT APPLICATION NUMBER: US/09/538,092
/ CURRENT FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: 60/127,352
/ PRIOR FILING DATE: 1999-04-01
/ PRIOR APPLICATION NUMBER: 60/178,965
/ PRIOR FILING DATE: 2000-02-01
/ NUMBER OF SEQ ID NOS: 1387
/ SOFTWARE: CuiPatSeqformatter Version 0.9
/ SEQ ID NO 842
/ LENGTH: 4563
/ TYPE: PRT
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/ ORGANISM: Homo sapiens
/
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (0)...(0)
/ OTHER INFORMATION: Polypeptide Accession Number P04114
US-09-538-092-842

Query Match      0.5%; Score 8; DB 2; Length 4563;
Best Local Similarity 100.0%; Pred.No.5.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1079 GTYGLSCQ 1086
DB      1499 GTYGLSCQ 1506

RESULT 16
US-08-920-610-4
/ Sequence 4, Application US/08920610
/ Patent No. 6015709
/
/ GENERAL INFORMATION:
/ APPLICANT: Natesan, Sridaran
/ TITLE OF INVENTION: TRANSCRIPTIONAL ACTIVATORS, AND
/ TITLE OF INVENTION: COMPOSITIONS AND USES RELATED THERETO
/ NUMBER OF SEQUENCES: 11
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: FOLEY, HOAG & ELIOT LLP
/ STREET: One Post Office Square
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109-2170
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/920,610
/ FILING DATE: 27-AUG-1997
/
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Vincent, Matthew P.
/ REGISTRATION NUMBER: 36,709
/ REFERENCE/DOCKET NUMBER: APV-006.02
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-832-1000
/ TELEFAX: 617-832-7000
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
US-08-920-610-4

Query Match      0.4%; Score 7; DB 2; Length 18;
Best Local Similarity 100.0%; Pred.No.34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      801 ALLTSOP 807
DB      12 ALLTSOP 18

RESULT 17
US-09-140-149-2
/ Sequence 2, Application US/09140149
/ Patent No. 6117680
/
/ GENERAL INFORMATION:
/ APPLICANT: Natesan, Sridaran
/ APPLICANT: Gilman, Michael Z
```

;; TITLE OF INVENTION: No. 6117680e1 Compositions and Methods for Regulation of  
;; TITLE OF INVENTION: Transcription  
;; FILE REFERENCE: 363C  
;; CURRENT APPLICATION NUMBER: US/09/140,149  
;; EARLIER FILING DATE: 1998-08-26  
;; EARLIER APPLICATION NUMBER: 08/918,401  
;; EARLIER FILING DATE: 1997-08-26  
;; EARLIER APPLICATION NUMBER: 08/920,610  
;; EARLIER FILING DATE: 1997-08-27  
;; EARLIER APPLICATION NUMBER: 09/126,009  
;; EARLIER FILING DATE: 1998-07-29  
;; EARLIER APPLICATION NUMBER: PCT/US97/15219  
;; EARLIER FILING DATE: 1997-08-27  
;; NUMBER OF SEQ ID NOS: 22  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 2  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-140-149-2

Query Match 0.4%; Score 7; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 801 ALTSQP 807  
DB 12 ALTSQP 18

RESULT 18  
US-08-672-213-4  
;; Sequence 4, Application US/08672213  
;; Patent No. 6306649  
;; GENERAL INFORMATION:  
;; APPLICANT: GILMAN, Michael Z.  
;; APPLICANT: NATESAN, Sridaran  
;; TITLE OF INVENTION: USE OF HETEROLOGOUS TRANSCRIPTION  
;; NUMBER OF SEQUENCES: 72  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: ARIAD Gene Therapeutics, Inc.  
;; STREET: 26 Landsdowne Street  
;; CITY: Cambridge  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02139-4234  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/672,213  
;; FILING DATE: 27-JUN-1996  
;; CLASSIFICATION: 514  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/000,553  
;; FILING DATE: 27-JUN-1995  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/019,614  
;; FILING DATE: 29-DEC-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: BERSTEIN, David L.  
;; REGISTRATION NUMBER: 31,235  
;; REFERENCE/DOCKET NUMBER: ARIAD 3468  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 617-494-0400  
;; TELEFAX: 617-494-0208  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 18 amino acids  
;; TYPE: amino acid

;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-672-213-4

Query Match 0.4%; Score 7; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 801 ALTSQP 807  
DB 12 ALTSQP 18

RESULT 19  
US-08-973-131-31  
;; Sequence 31, Application US/08973131  
;; Patent No. 6326166  
;; GENERAL INFORMATION:  
;; APPLICANT: Pomerantz, Joel L.  
;; APPLICANT: Sharp, Phillip A.  
;; APPLICANT: Pabo, Carl O.  
;; TITLE OF INVENTION: Chimeric DNA-binding proteins  
;; FILE REFERENCE: APV-022.02  
;; CURRENT APPLICATION NUMBER: US/08/973,131  
;; CURRENT FILING DATE: 1998-03-16  
;; EARLIER APPLICATION NUMBER: PCT/US95/16982  
;; EARLIER FILING DATE: 1995-12-29  
;; EARLIER APPLICATION NUMBER: 08/366,083  
;; EARLIER FILING DATE: 1994-12-29  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 31  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: human  
US-08-973-131-31

Query Match 0.4%; Score 7; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 801 ALTSQP 807  
DB 12 ALTSQP 18

RESULT 20  
US-09-615-917-2  
;; Sequence 2, Application US/09615917  
;; Patent No. 6479653  
;; GENERAL INFORMATION:  
;; APPLICANT: Natesan, Sridaran  
;; APPLICANT: Gilman, Michael Z.  
;; TITLE OF INVENTION: No. 6479653e1 Compositions and Methods for Regulation of  
;; FILE REFERENCE: 363C continuation  
;; CURRENT APPLICATION NUMBER: US/09/615,917  
;; FILING DATE: 2000-07-13  
;; PRIOR APPLICATION NUMBER: 08/918,401  
;; PRIOR FILING DATE: 1997-08-26  
;; EARLIER APPLICATION NUMBER: 08/920,610  
;; PRIOR FILING DATE: 1997-08-27  
;; PRIOR APPLICATION NUMBER: 09/126,009  
;; PRIOR FILING DATE: 1998-07-29  
;; PRIOR APPLICATION NUMBER: 09/140,149  
;; PRIOR FILING DATE: 1998-08-26  
;; NUMBER OF SEQ ID NOS: 22  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 2  
;; LENGTH: 18  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens

US-09-615-917-2

Query Match 0.4%; Score 7; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 801 ALUTSOP 807  
Db 12 ALUTSOP 18

RESULT 21

US-09-513-999C-7681  
; Sequence 7681, Application US/09513999C  
; Patent No. 6783961  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6783961  
; FILE REFERENCE: 59.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/513,999C  
; CURRENT FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/122,487  
; PRIOR FILING DATE: 1999-02-26  
; NUMBER OF SEQ ID NOS: 36681  
; SOFTWARE: Patent.pm  
; SEQ ID NO 7681  
; LENGTH: 52  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-513-999C-7681

Query Match 0.4%; Score 7; DB 2; Length 52;  
Best Local Similarity 100.0%; Pred. No. 89;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 801 ALUTSOP 807  
Db 35 ALUTSOP 41

RESULT 22

US-09-540-236-2834  
; Sequence 2834, Application US/09540236  
; Patent No. 6673910  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR  
; FILE REFERENCE: 2709.2005-001  
; CURRENT APPLICATION NUMBER: US/09/540,236  
; CURRENT FILING DATE: 2000-04-04  
; NUMBER OF SEQ ID NOS: 3840  
; SEQ ID NO 2834  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: M.catarinhalis  
US-09-540-236-2834

Query Match 0.4%; Score 7; DB 2; Length 61;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 DGDVSG 903  
Db 30 DGDVSG 36

RESULT 23

US-09-107-532A-4945  
; Sequence 4945, Application US/09107532A

; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucelte-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Maltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD/ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997

; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781) 893-5007  
; TELEFAX: (781) 893-8277

; INFORMATION FOR SEQ ID NO: 4945:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 92 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear

; MOLECULE TYPE: protein  
; HYPOTHEICAL: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Enterococcus faecium

; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (8) LOCATION 1...92  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4945:  
US-09-107-532A-4945

Query Match 0.4%; Score 7; DB 2; Length 92;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1254 KRCSISC 1260  
Db 66 KRCSISC 72

RESULT 24

US-09-732-210-762  
; Sequence 762, Application US/09732210  
; Patent No. 6573361  
; GENERAL INFORMATION:  
; APPLICANT: Bunkers, Greg J.  
; APPLICANT: Liang, Jihong  
; APPLICANT: Mitranck, Cindy A.  
; APPLICANT: Seale, Jeffrey W.  
; APPLICANT: Wu, Yonnie S.  
; TITLE OF INVENTION: Anti-Fungal Proteins and Methods for their use  
; FILE REFERENCE: 38-21(15036)B  
; CURRENT APPLICATION NUMBER: US/09/732,210  
; CURRENT FILING DATE: 2000-12-07  
; PRIOR APPLICATION NUMBER: US 60/169,513  
; PRIOR FILING DATE: 1999-12-07

```
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 762
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Bacillus stearothermophilus
US-09-732-210-762
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 94 SGDKGK 100
Db 13 SGDKGK 19
```

```
RESULT 25
US-09-732-210-763
; Sequence 763, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mitanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 763
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Bacillus subtilis
US-09-732-210-763
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 94 SGDKGK 100
Db 13 SGDKGK 19
```

```
RESULT 26
US-09-732-210-765
; Sequence 765, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mitanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 765
; LENGTH: 103
```

```
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-732-210-765
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 95 GDXGKR 101
Db 15 GDXGKR 21
```

```
RESULT 27
US-09-732-210-766
; Sequence 766, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mitanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 766
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Haemophilus influenzae
US-09-732-210-766
```

```
Query Match          0.4%; Score 7; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 95 GDXGKR 101
Db 16 GDXGKR 22
```

```
RESULT 28
US-09-732-210-761
; Sequence 761, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mitanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 761
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Acyrthosiphon kondoi symbiotic bacterium
US-09-732-210-761
```

```
Query Match          0.4%; Score 7; DB 2; Length 104;
```

Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDCKR 101  
DB 16 GKDCKR 22

## RESULT 29

US-09-711-164-323  
; Sequence 323, Application US/09711164  
; Patent No. 6589738  
; GENERAL INFORMATION:  
; APPLICANT: Forsyth, R. Allyn  
; APPLICANT: Ohlsen, Karl  
; APPLICANT: Zykkind, Judith  
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERAPY  
; FILE REFERENCE: ELITRA.008A  
; CURRENT APPLICATION NUMBER: US/09/711,164  
; PRIOR FILING DATE: 2000-11-09  
; PRIOR APPLICATION NUMBER: US 60/164415  
; NUMBER OF SEQ ID NOS: 469  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 323  
; LENGTH: 104  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-09-711-164-323

Query Match 0.4%; Score 7; DB 2; Length 104;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDCKR 101  
DB 16 GKDCKR 22

RESULT 30  
US-09-492-709A-321  
; Sequence 321, Application US/09492709A  
; Patent No. 6720139  
; GENERAL INFORMATION:  
; APPLICANT: Zykkind, Judith  
; APPLICANT: Ohlsen, Karl L.  
; APPLICANT: Trawick, John  
; APPLICANT: Forsyth, R. Allyn  
; APPLICANT: Froelich, Jamie M.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN  
; FILE REFERENCE: ELITRA.001A  
; CURRENT APPLICATION NUMBER: US/09/492,709A  
; PRIOR FILING DATE: 2000-01-27  
; NUMBER OF SEQ ID NOS: 485  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3212  
; LENGTH: 104  
; TYPE: PRT  
; ORGANISM: E. Coli  
US-09-492-709A-321

Query Match 0.4%; Score 7; DB 2; Length 104;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 95 GKDCKR 101  
DB 16 GKDCKR 22

RESULT 31  
US-09-370-838-113  
; Sequence 113, Application US/09370838  
; Patent No. 6444425  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Mohamath, Roach  
; APPLICANT: Secrist, Heather  
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF  
; FILE REFERENCE: 210121.475C1  
; CURRENT APPLICATION NUMBER: US/09/370,838  
; PRIOR FILING DATE: 1999-08-09  
; EARLIER APPLICATION NUMBER: US 09/285,323  
; NUMBER OF SEQ ID NOS: 289  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 113  
; LENGTH: 107  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-370-838-113

Query Match 0.4%; Score 7; DB 2; Length 107;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPPS 1425  
DB 87 ECPPPPS 93

RESULT 32  
US-09-854-133-113  
; Sequence 113, Application US/09854133  
; Patent No. 6759508  
; GENERAL INFORMATION:  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Mohamath, Roach  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Secrist, Heather  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
; FILE REFERENCE: 210121.475C10  
; CURRENT APPLICATION NUMBER: US/09/854,133  
; PRIOR FILING DATE: 2001-05-11  
; NUMBER OF SEQ ID NOS: 735  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 113  
; LENGTH: 107  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-854-133-113

Query Match 0.4%; Score 7; DB 2; Length 107;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1419 ECPPPPS 1425  
DB 87 ECPPPPS 93

RESULT 33  
US-09-252-991A-21351  
; Sequence 21351, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

```

: TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
:
: FILE REFERENCE: 107196.136
:
: CURRENT APPLICATION NUMBER: US/09/252,991A
:
: PRIOR FILING DATE: 1999-02-18
:
: PRIOR APPLICATION NUMBER: US 60/074,788
:
: PRIOR FILING DATE: 1998-02-18
:
: PRIOR APPLICATION NUMBER: US 60/094,190
:
: PRIOR FILING DATE: 1998-07-27
:
: NUMBER OF SEQ ID NOS: 33142
:
: SEQ ID NO 21351
:
: LENGTH: 108
:
: TYPE: PRT
:
: ORGANISM: Pseudomonas aeruginosa
:
: US-09-252-991A-21351

```

Query Match	0.4%	Score 7	DB 2	Length 108
Best Local Similarity	100.0%	Pred. No.	1.7e+02	
Matches 7	Conservative 0	Mismatches 0	Indels 0	Gaps 0

```

RESULT 34
US-09-732-210-774
: Sequence 774, Application US/09732210
: Patent No. 657361
: GENERAL INFORMATION:
: APPLICANT: Bunkers, Greg J.
: APPLICANT: Liang, Jihong
: APPLICANT: Mitranck, Cindy A.
: APPLICANT: Steele, Jeffrey W.
: APPLICANT: Wu, Yomnie S.
: TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
: FILE REFERENCE: 38-21(15036)B
: CURRENT APPLICATION NUMBER: US/09/732,210
: PRIORITY FILING DATE: 2000-12-07
: PRIOR APPLICATION NUMBER: US 60/169,513
: PRIOR FILING DATE: 1999-12-07
: PRIOR APPLICATION NUMBER: US 60/169,340
: PRIOR FILING DATE: 1999-12-07
: NUMBER OF SEQ ID NOS: 1753
: SEQ ID NO 774
: LENGTH: 113
: TYPE: PRT
: ORGANISM: Micrococcus luteus
: US-09-732-210-774

```

Query Match	0.4%	Score 7	DB 2	Length 113
Best Local Similarity	100.0%	Pred. No.	1.8e+02	
Matches 7	Conservative 0	Mismatches 0	Indels 0	Gaps 0

RESULT 35  
US-09-732-210-780  
Sequence 780, Application US/09732210  
Patent No. 6573361  
GENERAL INFORMATION:  
APPLICANT: Bunkers, Greg J.  
APPLICANT: Liang, Jihong  
APPLICANT: Mitcanck, Cindy A.  
APPLICANT: Seale, Jeffrey W.  
APPLICANT: Wu, Yonnie S.  
TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use  
FILE REFERENCE: 38-21(15036)B  
CURRENT APPLICATION NUMBER: US/09/732,210  
CURRENT FILING DATE: 2000-12-07  
PRIOR APPLICATION NUMBER: US 60/169,513

```

? PRIOR FILING DATE: 1999-12-07
? PRIOR APPLICATION NUMBER: US 60/169,340
? PRIOR FILING DATE: 1999-12-07
? NUMBER OF SEQ ID NOS: 1753
? SEQ ID NO: 780
? LENGTH: 115
? TYPE: PART
? ORGANISM: Synechocystis sp. (strain PCC 6803)
US-09-733-210-780

```

Query Match	0.4%	Score 7	DB 2	Length 115
Best Local Similarity	100.0%	Pred. No.	1.8e+02	
Matches	7	Conservative	0	Mismatches 0
				Gaps 0

```

RESULT 36
US-09-543-681A-7205
: Sequence 7205, Application US/09543681A
: Patent No. 6605709
: GENERAL INFORMATION:
: APPLICANT: GARY BEYTON
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
: TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: 2709, 1002-001
: CURRENT APPLICATION NUMBER: US/09/543,681A
: CURRENT FILING DATE: 2000-04-05
: PRIOR APPLICATION NUMBER: US 60/128,706
: PRIOR FILING DATE: 1999-04-09
: NUMBER OF SEQ ID NOS: 8344
: SEQ ID NO 7205
: LENGTH: 116
: TYPE: PRT
: ORGANISM: Proteus mirabilis
: US-09-543-681A-7205

```

Query Match	0.43	Score 7	DB 2	Length 116
Best Local Similarity	100.0%	Pred. No.	1.8e+02	
Matches 7	Conservative 0	Mismatches 0	Indels 0	Gaps 0

```

RESULT 37
US-09-489-039A-10900
; Sequence 10900, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10900
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-10900

```

Query Match	0.4%;	Score 7;	DB 2;	Length 118;
Best Local Similarity	100.0%;	Pred. No. 1.9e+02;		
Matches	7;	Conservative	0;	Mismatches 0;
				Indels 0;
				Gaps 0;
Qy	95	GKDCKR	101	

```
Db          30 GKDGR 36
|||||
RESULT 38
US-09-270-767-56640
; Sequence 56640, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 56640
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-56640

Query Match
0.4%; Score 7; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          36 REBLR 42
|||||
Db          103 REBLR 109

RESULT 39
US-09-248-796A-27858
; Sequence 27858, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 27858
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Candida albicans
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (53)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-09-248-796A-27858

Query Match
0.4%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          582 TDNFTN 588
|||||
Db          84 TDNFTN 90

RESULT 40
US-09-902-540-11618
; Sequence 11618, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 11618
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-11618

Query Match
0.4%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          829 ASGLPV 835
|||||
Db          43 ASGLPV 49

RESULT 41
US-09-270-767-40611
; Sequence 40611, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 40611
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-40611

Query Match
0.4%; Score 7; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1072 RGSNHL 1078
|||||
Db          101 RGSNHL 107

RESULT 42
US-09-270-767-55827
; Sequence 55827, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 55827
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55827

Query Match
0.4%; Score 7; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```



QY 1072 RGSNHS1 1078  
Db 101 RGSNHS1 107

RESULT 43  
US-09-710-279-1852  
; Sequence 1852, Application US/09710279  
; Patent No. 6703492  
; GENERAL INFORMATION:  
; APPLICANT: KIMBERLY, WILLIAM JOHN  
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
; FILE REFERENCE: P03480US  
; CURRENT APPLICATION NUMBER: US/09/710,279  
; CURRENT FILING DATE: 2000-11-09  
; PRIOR APPLICATION NUMBER: 60/164,258  
; PRIOR FILING DATE: 1999-11-09  
; NUMBER OF SEQ ID NOS: 4472  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1852  
; LENGTH: 136  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
US-09-710-279-1852

Query Match 0.4%; Score 7; DB 2; Length 136;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 AIIAGVF 76  
Db 18 AIIAGVF 24

RESULT 44  
US-09-949-016-8944  
; Sequence 8944, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8944  
; LENGTH: 141  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8944

Query Match 0.4%; Score 7; DB 2; Length 141;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 892 GEECDPG 898  
Db 112 GEECDPG 118

RESULT 45  
US-09-605-703B-2488

; Sequence 2488, Application US/09605703B  
; Patent No. 6962988  
; GENERAL INFORMATION:  
; APPLICANT: Pompejus, Markus  
; APPLICANT: Krogger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zelder, Oskar  
; APPLICANT: Habehauer, Gregor  
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL  
; TITLE OF INVENTION: PROTEINS  
; FILE REFERENCE: BGI-129CP  
; CURRENT APPLICATION NUMBER: US/09/605,703B  
; CURRENT FILING DATE: 2000-06-27  
; PRIOR APPLICATION NUMBER: 60/142,764  
; PRIOR FILING DATE: 1999-07-08  
; PRIOR APPLICATION NUMBER: 60/152,318  
; PRIOR FILING DATE: 1999-09-03  
; NUMBER OF SEQ ID NOS: 2934  
; SEQ ID NO 2488  
; LENGTH: 143  
; TYPE: PRT  
; ORGANISM: Corynebacterium glutamicum  
US-09-605-703B-2488

Query Match 0.4%; Score 7; DB 2; Length 143;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1117 VGISAVA 1123  
Db 106 VGISAVA 112

RESULT 46  
US-09-252-991A-16576  
; Sequence 16576, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: ASRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 16576  
; LENGTH: 144  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-16576

Query Match 0.4%; Score 7; DB 2; Length 144;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 828 FASGLPV 834  
Db 44 FASGLPV 50

RESULT 47  
US-09-270-767-40126  
; Sequence 40126, Application US/09270767  
; Patent No. 6703491  
; GENERAL INFORMATION:  
; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767

```
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40126
; LENGTH: 149
; TYPE: PRF
; ORGANISM: Drosophila melanogaster
US-09-270-767-40126
```

```
Query Match          0.4%; Score 7; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      681 AVGPDPV 687
        |||||
Db       86 AVGPDPV 92
```

```
RESULT 48
US-09-270-767-55342
; Sequence 55342, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55342
; LENGTH: 149
; TYPE: PRF
; ORGANISM: Drosophila melanogaster
US-09-270-767-55342
```

```
Query Match          0.4%; Score 7; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      681 AVGPDPV 687
        |||||
Db       86 AVGPDPV 92
```

```
RESULT 49
US-09-917-340-29
; Sequence 29, Application US/09917340
; Patent No. 6696238
; GENERAL INFORMATION:
; APPLICANT: Murphy, Christopher J.
; APPLICANT: McAnulty, Jonathan F.
; APPLICANT: Reid, Ted W.
; TITLE OF INVENTION: Transplant Media
; FILE REFERENCE: TPLANT-06468
; CURRENT APPLICATION NUMBER: US/09/917,340
; CURRENT FILING DATE: 2001-07-29
; PRIOR APPLICATION NUMBER: 60/221,632
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/249,602
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/290,932
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 155
; TYPE: PRF
; ORGANISM: Bos taurus
US-09-917-340-29
```

```
Query Match          0.4%; Score 7; DB 2; Length 155;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
```

```
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      425 DPDSPKR 431
        |||||
Db       69 DPDSPKR 75
```

```
RESULT 50
US-09-270-767-32592
; Sequence 32592, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32592
; LENGTH: 181
; TYPE: PRF
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-32592
```

```
Query Match          0.4%; Score 7; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      799 DAALLTS 805
        |||||
Db      145 DAALLTS 151
```

```
RESULT 51
US-09-270-767-47809
; Sequence 47809, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47809
; LENGTH: 181
; TYPE: PRF
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-47809
```

```
Query Match          0.4%; Score 7; DB 2; Length 181;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      799 DAALLTS 805
        |||||
Db      145 DAALLTS 151
```

```
RESULT 52
US-09-543-681A-4479
; Sequence 4479, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
```

```
FILE REFERENCE: 2709.1002-001
CURRENT APPLICATION NUMBER: US/09/543.681A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/128,706
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 8344
SEQ ID NO 4479
LENGTH: 193
TYPE: PRT
ORGANISM: Proteus mirabilis
US-09-543-681A-4479

Query Match      0.4%; Score 7; DB 2; Length 193;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      37 ERLLRP 43
Db      19 ERLLRP 25

RESULT 53
US-09-583-110-5165
Sequence 5165, Application US/09583110
Patent No. 6699703
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al.
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
FILE REFERENCE: PAT400-07A
CURRENT APPLICATION NUMBER: US/09/583,110
CURRENT FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/107,433
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 60/085,131
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: US 60/051,553
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 5322
SEQ ID NO 5165
LENGTH: 195
TYPE: PRT
ORGANISM: Streptococcus pneumoniae
US-09-583-110-5165

Query Match      0.4%; Score 7; DB 2; Length 195;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      37 ERLLRP 43
Db      23 ERLLRP 29

RESULT 54
US-09-107-433-3611
Sequence 3611, Application US/09107433
Patent No. 6800744
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGN
THERAPEUTICS
NUMBER OF SEQUENCES: 5206
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
```

```
COMPUTER: <Unknown>
OPERATING SYSTEM: <Unknown>
SOFTWARE: <Unknown>
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,433
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085131
FILING DATE: May 12, 1998
APPLICATION NUMBER: 60/051553
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Denekle
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 3611:
SEQUENCE CHARACTERISTICS:
LENGTH: 201 amino acids
TYPE: amino acid
MOLECULE TYPE: linear
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Streptococcus pneumoniae
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...201
SEQUENCE DESCRIPTION: SEQ ID NO: 3611:
US-09-107-433-3611

Query Match      0.4%; Score 7; DB 2; Length 201;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      37 ERLLRP 43
Db      29 ERLLRP 35

RESULT 55
US-09-252-991A-17282
Sequence 17282, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 17282
LENGTH: 203
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17282

Query Match      0.4%; Score 7; DB 2; Length 203;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      857 QVLAEG 863
Db      138 QVLAEG 144
```

```
RESULT 56
US-09-345-473E-6
; Sequence 6, Application US/09345473E
; Patent No. 6558903
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin
; TITLE OF INVENTION: No. 6558903el Kinases and Uses Thereof
; FILE REFERENCE: 35800/183781
; CURRENT APPLICATION NUMBER: US/09/345.473E
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-345-473E-6

Query Match      0.4%; Score 7; DB 2; Length 209;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      37 ERLLRP 43
Db      83 ERLLRP 89

RESULT 57
US-09-862-027-6
; Sequence 6, Application US/09862027
; Patent No. 6858418
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R
; TITLE OF INVENTION: No. 6858418el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862.027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345.473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-862-027-6

Query Match      0.4%; Score 7; DB 2; Length 209;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      37 ERLLRP 43
Db      83 ERLLRP 89

RESULT 58
US-09-489-039A-9282
; Sequence 9282, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117.747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9282
; LENGTH: 211
; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9282

Query Match      0.4%; Score 7; DB 2; Length 211;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      371 LGGYDGG 377
Db      157 LGGYDGG 163

RESULT 59
US-09-543-681A-4702
; Sequence 4702, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543.681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128.706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4702
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4702

Query Match      0.4%; Score 7; DB 2; Length 212;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1128 SRIGLSA 1134
Db      65 SRIGLSA 71

RESULT 60
US-09-489-039A-10398
; Sequence 10398, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117.747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10398
; LENGTH: 214
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-10398

Query Match      0.4%; Score 7; DB 2; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1127 SSRIGLS 1133
Db      59 SSRIGLS 65

RESULT 61
US-09-543-681A-5834
; Sequence 5834, Application US/09543681A
```

```
/ Patent No. 6605709
/ GENERAL INFORMATION:
/ APPLICANT: GARY BRETON
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
/ FILE REFERENCE: 2709.1002-001
/ CURRENT APPLICATION NUMBER: US/09/543,681A
/ PRIOR FILING DATE: 2000-04-05
/ PRIOR APPLICATION NUMBER: US 60/128,706
/ NUMBER OF SEQ ID NOS: 8344
/ SEQ ID NO 5834
/ LENGTH: 215
/ TYPE: PRT
/ ORGANISM: Proteus mirabilis
US-09-543-681A-5834

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 215;
Pred. No. 3.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 371 LITGYDGG 377
DB 161 LITGYDGG 167

RESULT 62
US-09-328-352-4496
/ Sequence 4496, Application US/09328352
/ Patent No. 6562958
/ GENERAL INFORMATION:
/ APPLICANT: Gary L. Breton et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
/ FILE REFERENCE: GTC99-03PA
/ CURRENT APPLICATION NUMBER: US/09/328,352
/ PRIOR FILING DATE: 1999-06-04
/ NUMBER OF SEQ ID NOS: 8252
/ SEQ ID NO 4496
/ LENGTH: 222
/ TYPE: PRT
/ ORGANISM: Acinetobacter baumannii
US-09-328-352-4496

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 222;
Pred. No. 3.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 514 GVSEERS 520
DB 203 GVSEERS 209

RESULT 63
US-09-252-991A-29073
/ Sequence 29073, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 29073
/ LENGTH: 232
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
```

```
US-09-252-991A-29073

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 222;
Pred. No. 3.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 89 ALGIRSG 95
DB 141 ALGIRSG 147

RESULT 64
US-09-134-000C-5622
/ Sequence 5622, Application US/09134000C
/ Patent No. 6617156
/ GENERAL INFORMATION:
/ APPLICANT: Lynn Doucette-Stamm et al
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
/ FILE REFERENCE: 032796-032
/ CURRENT APPLICATION NUMBER: US/09/134,000C
/ PRIOR FILING DATE: 1998-08-13
/ PRIOR APPLICATION NUMBER: US 60/055,778
/ PRIOR FILING DATE: 1997-08-15
/ NUMBER OF SEQ ID NOS: 6812
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 5622
/ LENGTH: 237
/ TYPE: PRT
/ ORGANISM: Enterococcus faecalis
US-09-134-000C-5622

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 237;
Pred. No. 3.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 481 GIVLSPA 487
DB 113 GIVLSPA 119

RESULT 65
US-09-328-352-5920
/ Sequence 5920, Application US/09328352
/ Patent No. 6562958
/ GENERAL INFORMATION:
/ APPLICANT: Gary L. Breton et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
/ FILE REFERENCE: GTC99-03PA
/ CURRENT APPLICATION NUMBER: US/09/328,352
/ PRIOR FILING DATE: 1999-06-04
/ NUMBER OF SEQ ID NOS: 8252
/ SEQ ID NO 5920
/ LENGTH: 241
/ TYPE: PRT
/ ORGANISM: Acinetobacter baumannii
US-09-328-352-5920

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 241;
Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 LPILYFS 33
DB 224 LPILYFS 230

RESULT 66
US-09-252-991A-21937
/ Sequence 21937, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
```

```
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21937
; LENGTH: 244
; TYPE: PR1
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21937

Query Match      0.4%; Score 7; DB 2; Length 244;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      42 REVLAE 48
        |||||
DB      113 REVLAE 119

RESULT 67
US-10-104-047-3323
; Sequence 3323, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length CDNA
; FILE REFERENCE: HI-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3323
; LENGTH: 245
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-104-047-3323

Query Match      0.4%; Score 7; DB 2; Length 245;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      59 WVKPEG 65
        |||||
DB      202 WVKPEG 208

RESULT 68
US-09-252-991A-32400
; Sequence 32400, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32400
; LENGTH: 247
```

```
; TYPE: PR1
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32400

Query Match      0.4%; Score 7; DB 2; Length 247;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1166 LLLDHD 1172
        |||||
DB      193 LLLDHD 199

RESULT 69
US-09-248-796A-14220
; Sequence 14220, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 14220
; LENGTH: 248
; TYPE: PR1
; ORGANISM: Candida albicans
US-09-248-796A-14220

Query Match      0.4%; Score 7; DB 2; Length 248;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      153 ASSLDOS 159
        |||||
DB      136 ASSLDOS 142

RESULT 70
US-09-602-777A-388
; Sequence 388, Application US/09602777A
; Patent No. 6831165
; GENERAL INFORMATION:
; APPLICANT: Pompeius, Markus
; APPLICANT: Krogger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS
; TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
; FILE REFERENCE: BGI-128CP
; CURRENT APPLICATION NUMBER: US/09/602,777A
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: DE 19931636.8
; PRIOR FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: DE 19932125.6
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932126.4
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932127.2
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DE 19932128.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932129.9
; PRIOR FILING DATE: 1999-07-19
```

```
; PRIOR APPLICATION NUMBER: DE 19932226.0
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: DE 19932920.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932922.2
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932924.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932928.1
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932930.3
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932933.8
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932935.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19932973.7
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933002.6
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933003.4
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933005.0
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19933006.9
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: DE 19941378.9
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941379.7
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941390.8
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19941391.6
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: DE 19942088.2
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 442
; SEQ ID NO 388
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
; US-09-602-777A-388
```

```
Query Match          0.4%; Score 7; DB 2; Length 250;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1117 VGISAVA 1123
DB      106 VGISAVA 112
```

```
RESULT 71
US-09-270-767-33191
; Sequence 33191, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3191
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
; US-09-270-767-33191
```

```
Query Match          0.4%; Score 7; DB 2; Length 251;
```

```
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      152 VASSLDQ 158
DB      164 VASSLDQ 170
```

```
RESULT 72
US-09-270-767-48408
; Sequence 48408, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 48408
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
; US-09-270-767-48408
```

```
Query Match          0.4%; Score 7; DB 2; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      152 VASSLDQ 158
DB      164 VASSLDQ 170
```

```
RESULT 73
US-09-270-767-59674
; Sequence 59674, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 59674
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
; US-09-270-767-59674
```

```
Query Match          0.4%; Score 7; DB 2; Length 255;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1421 PPPPSL 1427
DB      189 PPPPSL 195
```

```
RESULT 74
US-09-270-767-47059
; Sequence 47059, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
```

```
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 47059
LENGTH: 261
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-09-270-767-47059
```

```
Query Match          0.4%; Score 7; DB 2; Length 261;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1199 SSGQYR 1205
DB      192 SSGQYR 198
```

```
RESULT 75
```

```
US-09-902-540-12687
Sequence 12687, Application US/09902540
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 12687
LENGTH: 264
TYPE: PRT
ORGANISM: Myxococcus xanthus
US-09-902-540-12687
```

```
Query Match          0.4%; Score 7; DB 2; Length 264;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1196 LQASQ 1202
DB      173 LQASQ 179
```

```
RESULT 76
US-09-949-016-8843
Sequence 8843, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8843
LENGTH: 266
TYPE: PRT
```

```
ORGANISM: Human
US-09-949-016-8843
```

```
Query Match          0.4%; Score 7; DB 2; Length 266;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      318 HEALNEA 324
DB      100 HEALNEA 106
```

```
RESULT 77
```

```
US-09-949-016-8844
Sequence 8844, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8844
LENGTH: 266
TYPE: PRT
ORGANISM: Human
US-09-949-016-8844
```

```
Query Match          0.4%; Score 7; DB 2; Length 266;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      318 HEALNEA 324
DB      100 HEALNEA 106
```

```
RESULT 78
```

```
US-09-270-767-44311
Sequence 44311, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44311
LENGTH: 272
TYPE: PRT
ORGANISM: Drosophila melanogaster
FEATURE:
OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-44311
```

```
Query Match          0.4%; Score 7; DB 2; Length 272;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1364 PPPVFE 1370
DB      24 PPPVFE 30
```



```
RESULT 79
US-09-949-016-11337
; Sequence 11337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11337
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11337

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 274;
Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 744 SSOVLFD 750
DB 217 SSOVLFD 223

RESULT 80
US-09-071-252-16
; Sequence 16, Application US/09071252C
; Patent No. 6682738
; GENERAL INFORMATION:
; APPLICANT: Cogrove, Daniel J
; TITLE OF INVENTION: BETA-EXPANSINS AS CELL WALL LOOSENING AGENTS,
; TITLE OF INVENTION: COMPOSITIONS THEREOF AND METHODS OF USE
; FILE REFERENCE: 11940E183
; CURRENT APPLICATION NUMBER: US/09/071,252C
; CURRENT FILING DATE: 1998-05-01
; EARLIER APPLICATION NUMBER: 60/045,445
; EARLIER FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Glycine max
US-09-071-252-16

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 277;
Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 437 KEIKEL 443
DB 206 KEIKEL 212

RESULT 81
US-09-248-796A-17143
; Sequence 17143, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
```

```
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 17143
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-17143

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 277;
Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 413 DPQVADV 419
DB 236 DPQVADV 242

RESULT 82
US-09-902-540-14737
; Sequence 14737, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14737
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-14737

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 277;
Pred. No. 4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 845 DVEVTPG 851
DB 156 DVEVTPG 162

RESULT 83
US-09-252-991A-32062
; Sequence 32062, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32062
; LENGTH: 286
```

```
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32062

Query Match      0.4%; Score 7; DB 2; Length 286;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      664 ASSRRVC 670
Db      275 ASSRRVC 281

RESULT 84
US-09-446-301A-6
/ Sequence 6, Application US/09446301A
/ Patent No. 6506893
/ GENERAL INFORMATION:
/ APPLICANT: EL SOLH, NEVINE
/ APPLICANT: ALLIGRET, JEANINE
/ TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
/ TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
/ FILE REFERENCE: 03715-0059
/ CURRENT APPLICATION NUMBER: US/09/446,301A
/ CURRENT FILING DATE: 1999-12-20
/ NUMBER OF SEQ ID NOS: 51
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 294
/ TYPE: PRT
/ ORGANISM: Staphylococcus sp.
US-09-446-301A-6

Query Match      0.4%; Score 7; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      154 SSLDQSG 160
Db      39 SSLDQSG 45

RESULT 85
US-09-099-932-6
/ Sequence 6, Application US/09099932
/ Patent No. 6570001
/ GENERAL INFORMATION:
/ APPLICANT: EL SOLH, NEVINE
/ APPLICANT: ALLIGRET, JEANINE
/ TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
/ TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
/ FILE REFERENCE: 03495.0173-00000
/ CURRENT APPLICATION NUMBER: US/09/099,932
/ CURRENT FILING DATE: 1998-06-19
/ EARLIER APPLICATION NUMBER: 60/050,380
/ EARLIER FILING DATE: 1997-06-20
/ NUMBER OF SEQ ID NOS: 50
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 6
/ LENGTH: 295
/ TYPE: PRT
/ ORGANISM: Staphylococcus

Query Match      0.4%; Score 7; DB 2; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      154 SSLDQSG 160
Db      39 SSLDQSG 45
```

```
RESULT 86
US-10-392-970-6
/ Sequence 6, Application US/10392970
/ Patent No. 6936422
/ GENERAL INFORMATION:
/ APPLICANT: EL SOLH, NEVINE
/ APPLICANT: ALLIGRET, JEANINE
/ TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE
/ TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED
/ FILE REFERENCE: 03495.0173-00000
/ CURRENT APPLICATION NUMBER: US/10/392,970
/ CURRENT FILING DATE: 2003-03-21
/ PRIOR APPLICATION NUMBER: US/09/099,932
/ PRIOR FILING DATE: 1998-06-19
/ PRIOR APPLICATION NUMBER: 60/050,380
/ PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-20
/ NUMBER OF SEQ ID NOS: 50
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 6
/ LENGTH: 295
/ TYPE: PRT
/ ORGANISM: Staphylococcus
US-10-392-970-6

Query Match      0.4%; Score 7; DB 2; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      154 SSLDQSG 160
Db      39 SSLDQSG 45

RESULT 87
US-08-849-536A-5
/ Sequence 5, Application US/08849536A
/ Patent No. 5853976
/ GENERAL INFORMATION:
/ APPLICANT: HESSE, Friederike
/ APPLICANT: AMBROSIOUS, Dorothee
/ APPLICANT: BURTSCHER, Helmut
/ TITLE OF INVENTION: RECOMBINANT PROTEINASE FROM CLOSTRIDIUM
/ TITLE OF INVENTION: HISTOLYTICUM AND ITS USE FOR ISOLATING CELLS AND GROUPS OF CELLS
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
/ STREET: 655 15th St., N.W., Suite 330 - G St. Lobby
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-5701
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/849,536A
/ FILING DATE: Herewith
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Wong, King L.
/ REGISTRATION NUMBER: 37,500
/ REFERENCE/DOCKET NUMBER: 1614-7026
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 638 - 5000
/ TELEFAX: (202) 638 - 4810
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 313 amino acids
```

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-849-536A-5

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 313;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 320 ALNEAFS 326  
|||||  
Db 166 ALNEAFS 172

RESULT 88  
US-09-107-532A-6954  
; Sequence 6954, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD/ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arinello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 6954:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 313 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Enterococcus faecium  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (B) LOCATION 1...313  
; SEQUENCE DESCRIPTION: SEQ ID NO: 6954:  
US-09-107-532A-6954

Query Match  
Best Local Similarity 100.0%; Score 7; DB 2; Length 313;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 23 SQVGLPI 29  
|||||  
Db 158 SQVGLPI 164

RESULT 89  
US-09-477-962-103  
; Sequence 103, Application US/09477962  
; Patent No. 6927286  
; GENERAL INFORMATION:  
; APPLICANT: SHEN, BEN  
; APPLICANT: DU, LIANGCHENG  
; APPLICANT: SANCHEZ, CESAR  
; APPLICANT: CHEN, MEI  
; APPLICANT: EDWARDS, DANIEL J.  
; TITLE OF INVENTION: BLAOMYCIN GENE CLUSTER COMPONENTS AND THEIR USES  
; FILE REFERENCE: 4077-895820US  
; CURRENT APPLICATION NUMBER: US/09/477,962  
; CURRENT FILING DATE: 2000-01-05  
; PRIOR APPLICATION NUMBER: 60/115,435  
; PRIOR FILING DATE: 1999-01-06  
; PRIOR APPLICATION NUMBER: 60/118,848  
; PRIOR FILING DATE: 1999-02-05  
; NUMBER OF SEQ ID NOS: 133  
; SOFTWARE: PatentIn Ver. 3.0  
; SEQ ID NO 103  
; LENGTH: 325  
; TYPE: PRT  
; ORGANISM: Streptomyces verticillius  
; FEATURE:  
; OTHER INFORMATION: ORF20  
US-09-477-962-103

Query Match  
Best Local Similarity 100.0%; Score 7; DB 2; Length 325;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 857 QVLAEG 863  
|||||  
Db 315 QVLAEG 321

RESULT 90  
US-09-134-000C-5010  
; Sequence 5010, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5010  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-5010

Query Match  
Best Local Similarity 100.0%; Score 7; DB 2; Length 345;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 746 QVLFDE 752  
|||||  
Db 68 QVLFDE 74

RESULT 91  
US-09-857-447-1  
; Sequence 1, Application US/09857447  
; Patent No. 6582933

```
/ GENERAL INFORMATION:
/ APPLICANT: Ono Pharmaceutical Co., Ltd.
/ TITLE OF INVENTION: RELA-ASSOCIATED INHIBITOR, PROCESS FOR PRODUCING THE SAME AND UTI
/ TITLE OF INVENTION: THEREOF
/ FILE REFERENCE: 064802
/ CURRENT APPLICATION NUMBER: US/09/857,447
/ PRIOR FILING DATE: 2001-06-07
/ PRIOR APPLICATION NUMBER: JPA Hei. 10-344038
/ PRIOR FILING DATE: 1998-12-03
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 1
/ LENGTH: 351
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: DOMAIN
/ LOCATION: (145)..(174)
/ OTHER INFORMATION: Ankyrin repeat
/ NAME/KEY: DOMAIN
/ LOCATION: (176)..(207)
/ OTHER INFORMATION: Ankyrin repeat
/ NAME/KEY: DOMAIN
/ LOCATION: (209)..(241)
/ OTHER INFORMATION: Ankyrin repeat
/ NAME/KEY: DOMAIN
/ LOCATION: (243)..(275)
/ OTHER INFORMATION: Ankyrin repeat
/ NAME/KEY: DOMAIN
/ LOCATION: (287)..(338)
/ OTHER INFORMATION: SH3 domain
/ US-09-857-447-1
```

```
Query Match          0.4%; Score 7; DB 2; Length 351;
Best Local Similarity 100.0%; Pred. No. Se+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      45 VLAEIPR 51
        |||||
DB      36 VLAEIPR 42
```

```
RESULT 92
US-09-902-540-12834
/ Sequence 12834, Application US/09902540
/ Patent No. 6833447
/ GENERAL INFORMATION:
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Wiegand, Roger C.
/ TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
/ FILE REFERENCE: 38-10(15849)B
/ CURRENT APPLICATION NUMBER: US/09/902,540
/ CURRENT FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: 60/217,883
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 16825
/ SEQ ID NO 12834
/ LENGTH: 352
/ TYPE: PRT
/ ORGANISM: Myxococcus xanthus
/ US-09-902-540-12834
```

```
Query Match          0.4%; Score 7; DB 2; Length 352;
Best Local Similarity 100.0%; Pred. No. Se+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      827 PRASGLP 833
        |||||
DB      41 PRASGLP 47
```

```
RESULT 93
US-09-724-623-66
/ Sequence 66, Application US/09724623
/ Patent No. 6476209
/ GENERAL INFORMATION:
/ APPLICANT: Glenn, Matthew
/ APPLICANT: Lubbers, Mark W
/ APPLICANT: Dekker, James
/ TITLE OF INVENTION: Polynucleotides, materials incorporating
/ TITLE OF INVENTION: them, and methods for using them.
/ FILE REFERENCE: 104801
/ CURRENT APPLICATION NUMBER: US/09/724,623
/ CURRENT FILING DATE: 2000-11-28
/ NUMBER OF SEQ ID NOS: 124
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 66
/ LENGTH: 369
/ TYPE: PRT
/ ORGANISM: Lactobacillus rhamnosus
/ US-09-724-623-66
```

```
Query Match          0.4%; Score 7; DB 2; Length 369;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      636 SGVYYDR 642
        |||||
DB      175 SGVYYDR 181
```

```
RESULT 94
US-08-513-278-2
/ Sequence 2, Application US/08513278
/ Patent No. 5840844
/ GENERAL INFORMATION:
/ APPLICANT: LASKY, LAURENCE A.
/ APPLICANT: STACHELL, SCOTT E.
/ APPLICANT: ROSEN, STEVEN D.
/ APPLICANT: SINGER, MARK S.
/ APPLICANT: YEDNOCK, TED A.
/ TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
/ NUMBER OF SEQUENCES: 6
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genentech, Inc.
/ STREET: 460 Point San Bruno Blvd
/ CITY: South San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94080
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: patin (Genentech)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/513,278
/ FILING DATE: 10-AUG-1995
/ CLASSIFICATION: 5530
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/059027
/ FILING DATE: 06-MAY-1993
/ APPLICATION NUMBER: 07/786149
/ FILING DATE: 31-OCT-1991
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/315015
/ FILING DATE: 23-FEB-1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dreger, Ginger R.
/ REGISTRATION NUMBER: 33,055
/ REFERENCE/DOCKET NUMBER: 565D1C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415/225-3216
/ TELEFAX: 415/952-9881
```

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 372 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-513-278-2

Query Match 0.4%; Score 7; DB 1; Length 372;  
Best Local Similarity 100.0%; Pred. No. 5.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
DB 225 FSCSEGT 231

RESULT 95  
5514582-2  
PATENT NO. 5514582  
APPLICANT: CAPON, DANIEL J.; LASTY, LAURENCE A.  
TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID  
IMMUNOGLOBULINS.  
NUMBER OF SEQUENCES: 43  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/185,670  
FILING DATE: 21-JAN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 986,931  
FILING DATE: 08-DEC-1992  
APPLICATION NUMBER: 808,122  
FILING DATE: 16-DEC-1991  
APPLICATION NUMBER: 440,625  
FILING DATE: 22-NOV-1989  
APPLICATION NUMBER: 315,015  
FILING DATE: 23-FEB-1989  
SEQ ID NO: 2;  
LENGTH: 372  
5514582-2

Query Match 0.4%; Score 7; DB 6; Length 372;  
Best Local Similarity 100.0%; Pred. No. 5.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
DB 225 FSCSEGT 231

RESULT 96  
US-08-340-539A-2  
Sequence 2, Application US/08340539A  
Patent No. 5808025  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/340,539A

FILING DATE: 16-NOV-1994  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Gunnison, Jane  
REGISTRATION NUMBER: 38,479  
REFERENCE/DOCKET NUMBER: CG-104 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-596-9000  
TELEFAX: 212-596-9090  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-340-539A-2

Query Match 0.4%; Score 7; DB 1; Length 385;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1244 FSCSEGT 1250  
DB 238 FSCSEGT 244

RESULT 97  
US-08-461-592B-2  
Sequence 2, Application US/08461592B  
Patent No. 5834425  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/461,592B  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/340,539  
FILING DATE: 16-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Haley, Jr.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: CG-104  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid

```

;      TOPOLOGY:  linear
;      MOLECULE TYPE:  protein
US-08-461-592B-2

```

Query Match	0.4%;	Score 7;	DB 1;	Length 385;
Best Local Similarity	100.0%;	Pred. No. 5.4e+02;		
Matches	7;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0

QY	1244	FSCSEGT	1250
Db	238	FSCSEGT	244

RESULT 98  
US-09-902-540-16462  
; Sequence 16462, Application US/09902540

```

? TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
? FILE REFERENCE: 38-10(15849)B
? CURRENT APPLICATION NUMBER: US/09/902,540
? CURRENT FILING DATE: 2001-07-10
? PRIOR APPLICATION NUMBER: 60/217,883
? PRIOR FILING DATE: 2000-07-10
? NUMBER OF SEQ ID NOS: 16825
? SEQ ID NO 16462
? LENGTH: 385
? TYPE: PRT
? ORGANISM: Myxococcus xanthus
? US-09-902-540-16462

```

```
Query Match      0.4%; Score 7; DB 2; Length 385;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy	218	ATDLVLT	224
Db	257	ATDLVLT	263

```

RESULT 99
US-09-710-279-552
; Sequence 552, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PUS480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 552
; LENGTH: 394
; TYPE: PRP
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; US-09-710-279-552

```

```

Query Match      0.4%; Score 7; DB 2; Length 394;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 661 VHTASSR 667  
|||||||

Db 72 VHTASSR 78

RESULT 100  
 US-09-248-796A-20419  
 : Sequence 20419, Application US/09248796A  
 : Patent No. 6747137  
 : GENERAL INFORMATION:  
 : APPLICANT: Keith Weinstock et al  
 : TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
 : TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
 : FILE REFERENCE: 107196.132  
 : CURRENT APPLICATION NUMBER: US/09/248,796A  
 : PRIOR FILING DATE: 1999-02-12  
 : PRIOR APPLICATION NUMBER: US 60/074,725  
 : PRIOR FILING DATE: 1998-02-13  
 : PRIOR APPLICATION NUMBER: US 60/096,409  
 : PRIOR FILING DATE: 1998-08-13  
 : NUMBER OF SEQ ID NOS: 28208  
 : SEQ ID NO 20419  
 : LENGTH: 397  
 : TYPE: PRT  
 : ORGANISM: Candida albicans  
 : US-09-248-796A-20419

Query Match	0.4%	Score 7;	DB 2;	Length 397;
Best Local Similarity	100.0%	Pred. No. 5.6e+02;		
Matches	7;	Conservative	0;	Mismatches
			0;	Indels
				Gaps
				0

QY	1043	RAIFIFL	1049
Db	172	RAIFIFL	178

```

RESULT 101
US-09-170-496D-114
Sequence 114 Application US/09170496D
Patent No. 655539
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Law, Chen W.
TITLE OF INVENTION: No. 655539-Endogenous, Constitutively Activated Human G Protein-
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ. ID NOS: 294
SOFTWARE: PatentIn version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-114

```

Query Match	0.4%;	Score 7;	DB 2;	Length 403;
Best Local Similarity	100.0%;	Pred. No. 5.7e+02;		
Matches	7;	Conservative	0;	Mismatches
			0;	Indels
				Gaps
				0;

QY	35	RRERLL	41
Db	236	RRERLL	242

```

RESULT 102
US-09-170-496D-224
: Sequence 224, Application US/09170496D
: Patent No. 6555339
:
: GENERAL INFORMATION:
:
: APPLICANT: Behan, Dominic P.
: APPLICANT: Chalmers, Derek T.
: APPLICANT: Liaw, Chen W.
: TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-

```

```

; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 224
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-224

Query Match
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
DB 236 RRERLL 242

RESULT 103
US-09-743-742B-4
; Sequence 4, Application US/09743742B
; Patent No. 6599718
; GENERAL INFORMATION:
; APPLICANT: Liu, Qingyun
; APPLICANT: Howard, Andrew D.
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RELATED
; FILE REFERENCE: 20217YP
; CURRENT APPLICATION NUMBER: US/09/743,742B
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: PCT/US99/15941
; PRIOR FILING DATE: 1999-07-13
; PRIOR APPLICATION NUMBER: 60/092,623
; PRIOR FILING DATE: 1998-07-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-742B-4

Query Match
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
DB 236 RRERLL 242

RESULT 104
US-09-743-742B-10
; Sequence 10, Application US/09743742B
; Patent No. 6599718
; GENERAL INFORMATION:
; APPLICANT: Liu, Qingyun
; APPLICANT: Howard, Andrew D.
; APPLICANT: McKee, Karen Kulju
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RELATED
; FILE REFERENCE: 20217YP
; CURRENT APPLICATION NUMBER: US/09/743,742B
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: PCT/US99/15941
; PRIOR FILING DATE: 1999-07-13
; PRIOR APPLICATION NUMBER: 60/092,623
; PRIOR FILING DATE: 1998-07-13
; NUMBER OF SEQ ID NOS: 11
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-742B-10

Query Match
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRERLL 41
DB 236 RRERLL 242

RESULT 105
US-09-270-767-36688
; Sequence 36688, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36688
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-36688

Query Match
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 886 KVSRLG 892
DB 99 KVSRLG 105

RESULT 106
US-09-270-767-51905
; Sequence 51905, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51905
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-51905

Query Match
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 886 KVSRLG 892
DB 99 KVSRLG 105

RESULT 107
US-09-248-796A-14591
; Sequence 14591, Application US/09248796A
```

```

; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 14591
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-14591

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 408;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1527 SSTLSK 1533
DB 16 SSTLSK 22

RESULT 108
US-09-560-761B-24
; Sequence 24, Application US/09560761B
; Patent No. 6787683
; GENERAL INFORMATION:
; APPLICANT: Dellapenna, Dean
; APPLICANT: Collakova, Eva
; APPLICANT: Coughlan, Sean J.
; APPLICANT: Helentjaris, Timothy G.
; TITLE OF INVENTION: PHYTYL/PRENYLTRANSFERASE NUCLEIC ACIDS,
; FILE REFERENCE: 1095R
; CURRENT APPLICATION NUMBER: US/09/560,761B
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/307,460
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Glycine max
US-09-560-761B-24

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 409;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 452 NIYPASS 458
DB 31 NIYPASS 37

RESULT 109
US-09-328-352-5085
; Sequence 5085, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252

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; SEQ ID NO 5085
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-5085

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 410;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1006 VASENET 1012
DB 53 VASENET 59

RESULT 110
US-09-689-343E-4
; Sequence 4, Application US/09689343E
; Patent No. 684658
; GENERAL INFORMATION:
; APPLICANT: Valisvlla, Romualdus
; APPLICANT: Morgan, Richard D.
; APPLICANT: Kucera, Rebecca B.
; APPLICANT: Claus, Toby B.
; APPLICANT: Raleigh, Elisabeth A.
; TITLE OF INVENTION: Method For Cloning And Producing The MaeI Restriction
; FILE REFERENCE: NEB-181
; CURRENT APPLICATION NUMBER: US/09/689,343E
; CURRENT FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 411
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Environmental DNA
; NAME/KEY: misc_feature
; LOCATION: (198)..(198)
; OTHER INFORMATION: Xaa = any amino acid
US-09-689-343E-4

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 411;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 311 SEQIRLQ 317
DB 333 SEQIRLQ 339

RESULT 111
US-09-540-236-2578
; Sequence 2578, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2578
; LENGTH: 414
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2578

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 414;

```



Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1278 DGLMSLP 1284  
| | | | |  
Db 291 DGLMSLP 297

RESULT 112  
US-09-252-991A-19847  
; Sequence 19847, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19847  
; LENGTH: 427  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19847

Query Match 0.4%; Score 7; DB 2; Length 427;  
Best Local Similarity 100.0%; Pred. No. 6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 860 AERAGEL 866  
| | | | |  
Db 332 AERAGEL 338

RESULT 113  
US-09-252-991A-32589  
; Sequence 32589, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 32589  
; LENGTH: 431  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32589

Query Match 0.4%; Score 7; DB 2; Length 431;  
Best Local Similarity 100.0%; Pred. No. 6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 993 LPMHRL 999  
| | | | |  
Db 49 LPMHRL 55

RESULT 114  
US-08-466-120-2  
; Sequence 2, Application US/08466120  
; Patent No. 5869284

GENERAL INFORMATION:  
; APPLICANT: CAO, ET AL.  
; TITLE OF INVENTION: Retinoic Acid Receptor Epsilon  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/466,120  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/07266  
; FILING DATE: 24 JUN 94  
; ATTORNEY/AGENT INFORMATION:  
; NAME: FERRARO, GREGORY D.  
; REGISTRATION NUMBER: 36,134  
; REFERENCE/DOCKET NUMBER: 325800-354  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 433 AMINO ACIDS  
; TYPE: AMINO ACID  
; STRANDEDNESS:  
; TOPOLOGY: LINEAR  
; MOLECULE TYPE: PROTEIN  
US-08-466-120-2

Query Match 0.4%; Score 7; DB 1; Length 433;  
Best Local Similarity 100.0%; Pred. No. 6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIRL 316  
| | | | |  
Db 156 SEQIRL 162

RESULT 115  
PCT-US94-07266-2  
; Sequence 2, Application PC/TUS9407266  
; GENERAL INFORMATION:  
; APPLICANT: CAO, ET AL.  
; TITLE OF INVENTION: Retinoic Acid Receptor Epsilon  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/07266  
; FILING DATE: Concurrently  
; CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: FERRARO, GREGORY D.  
REGISTRATION NUMBER: 36,134  
REFERENCE/DOCKET NUMBER: 325800-125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 433 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
PCT-US94-07266-2

Query Match  
Best Local Similarity 100.0%; Score 7; DB 4; Length 433;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316  
|||||  
DB 156 SEQIDRL 162

RESULT 116  
US-08-333-358-8  
Sequence 8, Application US/08333358  
Patent No. 5571696  
GENERAL INFORMATION:  
APPLICANT: EVANS Ph.D., RONALD M.  
APPLICANT: MANGELSDORF Ph.D., DAVID J.  
APPLICANT: ONG Ma., ESTELITA S.  
APPLICANT: ORO Ph.D., ANTHONY E.  
APPLICANT: BORGMEYER Ph.D., UWE K.  
APPLICANT: GIGUERE Ph.D., VINCENT NMN  
APPLICANT: YAO Mr., TSO-PANG NMN  
TITLE OF INVENTION: NOVEL RECEPTORS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
STREET: 444 So. Flower St., Suite 2000  
CITY: Los Angeles  
STATE: CA  
COUNTRY: US  
ZIP: 90071-2921  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/333,358  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/761,068  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Reiter Ph.D., Stephen E.  
REGISTRATION NUMBER: 31192  
REFERENCE/DOCKET NUMBER: P31 8936  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 440 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
US-08-333-358-8

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 440;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316  
|||||  
DB 163 SEQIDRL 169

RESULT 117  
US-08-463-694-8  
Sequence 8, Application US/08463694  
Patent No. 5636233  
GENERAL INFORMATION:  
APPLICANT: EVANS Ph.D., RONALD M.  
APPLICANT: MANGELSDORF Ph.D., DAVID J.  
APPLICANT: ONG Ma., ESTELITA S.  
APPLICANT: ORO Ph.D., ANTHONY E.  
APPLICANT: BORGMEYER Ph.D., UWE K.  
APPLICANT: GIGUERE Ph.D., VINCENT NMN  
APPLICANT: YAO Mr., TSO-PANG NMN  
TITLE OF INVENTION: NOVEL RECEPTORS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
STREET: 444 So. Flower St., Suite 2000  
CITY: Los Angeles  
STATE: CA  
COUNTRY: US  
ZIP: 90071-2921  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/463,694  
FILING DATE: 05-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/761,068  
FILING DATE: 17-SEP-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Reiter Ph.D., Stephen E.  
REGISTRATION NUMBER: 31192  
REFERENCE/DOCKET NUMBER: P31 8936  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 440 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-463-694-8

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 440;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316  
|||||  
DB 163 SEQIDRL 169

RESULT 118  
US-08-694-501-8  
Sequence 8, Application US/08694501  
Patent No. 5710004

GENERAL INFORMATION:  
APPLICANT: EVANS Ph.D., RONALD M.  
APPLICANT: MANGELSDORF Ph.D., DAVID J.  
APPLICANT: ONG Ms., ESTELITA S.  
APPLICANT: ORO Ph.D., ANTHONY E.  
APPLICANT: BORGMEYER Ph.D., UWE K.  
APPLICANT: GIGIERE Ph.D., VINCENT NMN  
APPLICANT: YAO Mr., TSO-PANG NMN  
TITLE OF INVENTION: NOVEL RECEPTORS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
STREET: 444 So. Flower St., Suite 2000  
CITY: Los Angeles  
STATE: CA  
COUNTRY: US  
ZIP: 90071-2921  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/694,501  
FILING DATE: 07-AUG-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/333,358  
FILING DATE:  
APPLICATION NUMBER: US/07/761,068  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Reiter Ph.D., Stephen E.  
REGISTRATION NUMBER: 31192  
REFERENCE/DOCKET NUMBER: P31 8936  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 440 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-694-501-8

Query Match 0.4%; Score 7; DB 1; Length 440;  
Best Local Similarity 100.0%; Pred. No. 6.1e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316  
DB 163 SEQIDRL 169

RESULT 119  
US-09-134-001C-3148  
Sequence 3148, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
PRIOR FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 3148  
LENGTH: 443

TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-3148

Query Match 0.4%; Score 7; DB 2; Length 443;  
Best Local Similarity 100.0%; Pred. No. 6.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 661 VHTASSR 667  
DB 121 VHTASSR 127

RESULT 120  
US-08-373-935-1  
Sequence 1, Application US/08373935  
Patent No. 5747661  
GENERAL INFORMATION:  
APPLICANT: Evans, Ronald M.  
APPLICANT: Mangelsdorf, David J.  
APPLICANT: Willy, Patricia J.  
TITLE OF INVENTION: IDENTIFICATION OF A DISTINCT  
RETINOID-RESPONSIVE PATHWAY AND USES THEREFOR  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark  
STREET: 444 South Flower Street, Suite 2000  
CITY: Los Angeles  
STATE: CA  
COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/373,935  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Reiter, Stephen E.  
REGISTRATION NUMBER: 31,192  
REFERENCE/DOCKET NUMBER: P41 9894  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-546-4737  
TELEFAX: 619-546-4737  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 447 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-373-935-1

Query Match 0.4%; Score 7; DB 1; Length 447;  
Best Local Similarity 100.0%; Pred. No. 6.2e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316  
DB 170 SEQIDRL 176

RESULT 121  
US-10-329-668-2  
Sequence 2, Application US/10329668  
Patent No. 6696473  
GENERAL INFORMATION:  
APPLICANT: Martin, Richard  
APPLICANT: Brenton, Todd  
APPLICANT: Kahl, Jeffrey Dean  
APPLICANT: Wang, Tie-Lin

```

; TITLE OF INVENTION: HETEROCYCLIC MODULATORS OF NUCLEAR RECEPTORS
; FILE REFERENCE: 38205-3001
; CURRENT APPLICATION NUMBER: US/10/329,668
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: 60/342,720
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-329-668-2

Query Match
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQIDRL 316
DB 170 SEQIDRL 176

RESULT 122
US-09-489-039A-12792
; Sequence 12792, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709,2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12792
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12792

Query Match
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1049 LTTDGLV 1055
DB 41 LTTDGLV 47

RESULT 123
US-09-369-364A-19
; Sequence 19, Application US/09369364A
; Patent No. 6391610
; GENERAL INFORMATION:
; APPLICANT: Apte, Suneel
; APPLICANT: Hurskainen, Tiina L.
; APPLICANT: Hirshata, Satoshi
; TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
; FILE REFERENCE: 26473/4007/10-30-00
; CURRENT APPLICATION NUMBER: US/09/369,364A
; CURRENT FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Mus musculus ADAMTS-10
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (113)

; OTHER INFORMATION: Xaa = H
; NAME/KEY: MOD RES
; LOCATION: (118)
; OTHER INFORMATION: Xaa = A
US-09-369-364A-19

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 450;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRRHRYVL 350
DB 310 LRRHRYVL 316

RESULT 124
US-09-949-016-7527
; Sequence 7527, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7527
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7527

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 450;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 801 ALLTSQP 807
DB 160 ALLTSQP 166

RESULT 125
US-09-252-991A-30368
; Sequence 30368, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30368
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30368

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 452;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1055 VPGEHQ 1061  
|||||

Db 409 VPGEHQ 415

## RESULT 126

US-09-489-039A-12162  
; Sequence 12162, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 12162  
; LENGTH: 452  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-12162

## Query Match

Best Local Similarity 0.4%; Score 7; DB 2; Length 452;  
Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1038 RPGEARA 1044  
|||||

Db 17 RPGEARA 23

## RESULT 127

US-09-949-016-8058  
; Sequence 8058, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8058  
; LENGTH: 453  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8058

## Query Match

Best Local Similarity 0.4%; Score 7; DB 2; Length 453;  
Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQRRL 316  
|||||

Db 176 SEQRRL 182

## RESULT 128

US-09-949-016-8413  
; Sequence 8413, Application US/09949016

; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8413  
; LENGTH: 453  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8413

Query Match  
Best Local Similarity 0.4%; Score 7; DB 2; Length 453;  
Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 310 SEQRRL 316  
|||||

Db 176 SEQRRL 182

## RESULT 129

US-09-328-352-7505  
; Sequence 7505, Application US/09328352  
; Patent No. 6562958  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; FILE REFERENCE: GTC99-03PA  
; CURRENT APPLICATION NUMBER: US/09/328,352  
; PRIOR FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 7505  
; LENGTH: 455  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
US-09-328-352-7505

Query Match  
Best Local Similarity 0.4%; Score 7; DB 2; Length 455;  
Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 EVLQGE 252  
|||||

Db 348 EVLQGE 354

## RESULT 130

US-09-603-208A-258  
; Sequence 258, Application US/09603208A  
; Patent No. 6822084  
; GENERAL INFORMATION:  
; APPLICANT: Pompejue, Markus  
; APPLICANT: Krogger, Burkhard  
; APPLICANT: Schroder, Hartwig  
; APPLICANT: Zelder, Oskar  
; APPLICANT: Haberhauser, Gregor  
; APPLICANT: Lee, Heung-Shick  
; APPLICANT: Kim, Hyung-Joon  
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING STRESS,  
; TITLE OF INVENTION: RESISTANCE AND TOLERANCE PROTEINS  
; FILE REFERENCE: BGI-124CP

```
/ CURRENT APPLICATION NUMBER: US/09/603,208A
/ CURRENT FILING DATE: 2000-06-23
/ PRIOR APPLICATION NUMBER: 60/141031
/ PRIOR FILING DATE: 1999-06-25
/ PRIOR APPLICATION NUMBER: 60/142692
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: 60/151214
/ PRIOR FILING DATE: 1999-08-27
/ PRIOR APPLICATION NUMBER: DE 19930429.7
/ PRIOR FILING DATE: 1999-07-01
/ PRIOR APPLICATION NUMBER: DE 19931413.6
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931457.8
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19931541.8
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: DE 19932209.0
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932230.9
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: DE 19932914.1
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: DE 19940764.9
/ PRIOR FILING DATE: 1999-08-27
/ PRIOR APPLICATION NUMBER: DE 19941382.7
/ PRIOR FILING DATE: 1999-08-31
/ NUMBER OF SEQ ID NOS: 306
/ SEQ ID NO 258
/ LENGTH: 465
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-09-603-208A-258
```

```
Query Match          0.4%; Score 7; DB 2; Length 465;
Best Local Similarity 100.0%; Pred.No.6.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      481 GIVLSPA 487
         |||||
Db      375 GIVLSPA 381
```

```
RESULT 131
US-09-489-039A-7790
/ Sequence 7790, Application US/09489039A
/ Patent No. 6610835
/ GENERAL INFORMATION:
/ APPLICANT: Gaty Breton et. al
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
/ FILE REFERENCE: 2709.2004001
/ CURRENT APPLICATION NUMBER: US/09/489,039A
/ CURRENT FILING DATE: 2000-01-27
/ PRIOR APPLICATION NUMBER: US 60/117,747
/ PRIOR FILING DATE: 1999-01-29
/ NUMBER OF SEQ ID NOS: 14342
/ SEQ ID NO 7790
/ LENGTH: 467
/ TYPE: PRT
/ ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7790
```

```
Query Match          0.4%; Score 7; DB 2; Length 467;
Best Local Similarity 100.0%; Pred.No.6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      859 LAEAGE 865
         |||||
Db      300 LAEAGE 306
```

```
RESULT 132
US-09-270-767-44250
```

```
/ Sequence 44250, Application US/09270767
/ Patent No. 6703491
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 44250
/ LENGTH: 468
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ FEATURE:
/ OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-44250
```

```
Query Match          0.4%; Score 7; DB 2; Length 468;
Best Local Similarity 100.0%; Pred.No.6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1421 PPPPSEL 1427
         |||||
Db      402 PPPPSEL 408
```

```
RESULT 133
US-09-252-991A-23310
/ Sequence 23310, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 23310
/ LENGTH: 470
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23310
```

```
Query Match          0.4%; Score 7; DB 2; Length 470;
Best Local Similarity 100.0%; Pred.No.6.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1279 GLMSLPE 1285
         |||||
Db      373 GLMSLPE 379
```

```
RESULT 134
US-09-252-991A-32479
/ Sequence 32479, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
```

NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 32479  
; LENGTH: 472  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32479

Query Match 0.4%; Score 7; DB 2; Length 472;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 LLLRPEV 45  
|||||  
Db 391 LLLRPEV 397

RESULT 135  
US-09-914-259-36  
; Sequence 36, Application US/09914259  
; Patent No. 6495336  
; GENERAL INFORMATION:  
; APPLICANT: Makowski, Lee  
; APPLICANT: Hyman, Paul  
; APPLICANT: Williams, Mark  
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES  
; FILE REFERENCE: 8471-010-999  
; CURRENT APPLICATION NUMBER: US/09/914,259  
; CURRENT FILING DATE: 2000-11-21  
; NUMBER OF SEQ ID NOS: 180  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 36  
; LENGTH: 481  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-914-259-36

Query Match 0.4%; Score 7; DB 2; Length 481;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EAFTEA 58  
|||||  
Db 167 EAFTEA 173

RESULT 136  
US-10-104-047-2240  
; Sequence 2240, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241el full length cdna  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2240  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-104-047-2240

Query Match 0.4%; Score 7; DB 2; Length 484;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 259 SPLQPL 265  
|||||  
Db 302 SPLQPL 308

RESULT 137  
US-08-942-423-3  
; Sequence 3, Application US/08942423  
; Patent No. 5891673  
; GENERAL INFORMATION:  
; APPLICANT: Hashimoto, Yasuhiro  
; APPLICANT: Takemoto, Yoshihiro  
; TITLE OF INVENTION: Lck Binding Protein  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Syntex (U.S.A.) Inc.  
; STREET: 3401 Hillview Ave.  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 94303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/942,423  
; FILING DATE: 01-OCT-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/362,715  
; FILING DATE: 23-DEC-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Peries, Rohan  
; REGISTRATION NUMBER: 35,752  
; REFERENCE/DOCKET NUMBER: 28260  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 852-1698  
; TELEFAX: (415) 496-3529  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 486 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: N-terminal  
; ORIGINAL SOURCE:  
; ORGANISM: LCK BINDING PROTEIN  
US-08-942-423-3

Query Match 0.4%; Score 7; DB 1; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124  
|||||  
Db 430 GISAVAL 436

RESULT 138  
US-09-036-987A-16  
; Sequence 16, Application US/09036987A  
; Patent No. 6143526  
; GENERAL INFORMATION:  
; APPLICANT: Baltz, Richard H.  
; APPLICANT: Broughton, Mary C.  
; APPLICANT: Crawford, Kathryn P.  
; APPLICANT: Madduri, Krishnamurthy  
; APPLICANT: Merlo, Donald J.  
; APPLICANT: Treadway, Patti J.  
; APPLICANT: Turner, Jan R.  
; APPLICANT: Waldron, Clive  
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide

TITLE OF INVENTION: Production  
NUMBER OF SEQUENCES: 39  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dow Agrosciences LLC Patent Department  
STREET: 9330 Zionville Road  
CITY: Indianapolis  
STATE: Indiana  
COUNTRY: USA  
ZIP: 46268  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/036,987A  
FILING DATE: 09-MAR-1998  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Stuart, Donald R  
REGISTRATION NUMBER: 28,479  
REFERENCE/DOCKET NUMBER: 50,608  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (317)337-4816  
TELEFAX: (317)337-4847  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 486 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-036-987A-16

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 447 STHPLNI 453  
Db 463 STHPLNI 469

RESULT 139  
US-09-370-700-16  
Sequence 16, Application US/09370700  
Patent No. 6274350  
GENERAL INFORMATION:  
APPLICANT: Baltz, Richard H  
APPLICANT: Broughton, Mary C  
APPLICANT: Crawford, Kathryn P  
APPLICANT: Madduri, Krishnamurthy  
APPLICANT: Treadway, Patti J  
APPLICANT: Turner, Jan R  
APPLICANT: Waldron, Clive  
TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide  
FILE REFERENCE: 50489 DIV1  
CURRENT APPLICATION NUMBER: US/09/370,700  
CURRENT FILING DATE: 1999-08-09  
EARLIER APPLICATION NUMBER: US 09/36987  
EARLIER FILING DATE: 1998-03-09  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 16  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Saccharopolyspora spinosa  
US-09-370-700-16

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 447 STHPLNI 453

Db 463 STHPLNI 469  
RESULT 140  
US-09-914-259-35  
Sequence 35, Application US/09914259  
Patent No. 6495336  
GENERAL INFORMATION:  
APPLICANT: Makowski, Lee  
APPLICANT: Hyman, Paul  
APPLICANT: Williams, Mark  
TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES  
FILE REFERENCE: 8471-010-999  
CURRENT APPLICATION NUMBER: US/09/914,259  
CURRENT FILING DATE: 2000-11-21  
NUMBER OF SEQ ID NOS: 180  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 35  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-914-259-35

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 52 EAFYEA 58  
Db 172 EAFYEA 178

RESULT 141  
US-09-603-207-16  
Sequence 16, Application US/09603207B  
Patent No. 6521406  
GENERAL INFORMATION:  
APPLICANT: Baltz, Richard H  
APPLICANT: Broughton, Mary C  
APPLICANT: Crawford, Kathryn P  
APPLICANT: Madduri, Krishnamurthy  
APPLICANT: Treadway, Patti J  
APPLICANT: Turner, Jan R  
APPLICANT: Waldron, Clive  
TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide  
FILE REFERENCE: 50489 DIV1  
CURRENT APPLICATION NUMBER: US/09/603,207B  
CURRENT FILING DATE: 2000-06-23  
EARLIER APPLICATION NUMBER: 09/370,700  
EARLIER FILING DATE: 1998-03-09  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 16  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Saccharopolyspora spinosa  
US-09-603-207-16

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 447 STHPLNI 453  
Db 463 STHPLNI 469

RESULT 142  
US-09-976-594-278  
Sequence 278, Application US/09976594  
Patent No. 6673549  
GENERAL INFORMATION:



APPLICANT: Furness, Michael  
APPLICANT: Buchbinder, Jenny  
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS  
FILE REFERENCE: PA-0041 US  
CURRENT APPLICATION NUMBER: US/09/976,594  
CURRENT FILING DATE: 2001-10-12  
PRIOR APPLICATION NUMBER: 60/240,409  
PRIOR FILING DATE: 2000-10-12  
NUMBER OF SEQ. ID NOS: 1143  
SOFTWARE: PERL Program  
SEQ ID NO 278  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: mhc\_feature  
OTHER INFORMATION: Incyte ID No. 6673549 1822864CD1  
US-09-976-594-278

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EATVEA 58  
Db 172 EATVEA 178

RESULT 143  
US-09-538-092-926  
Sequence 926, Application US/09538092  
Patent No. 6753314  
GENERAL INFORMATION:  
APPLICANT: Glot, Loic  
APPLICANT: Mansfield, Traci A.  
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same  
FILE REFERENCE: 15966-542  
CURRENT APPLICATION NUMBER: US/09/538,092  
CURRENT FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/127,352  
PRIOR FILING DATE: 1999-04-01  
PRIOR APPLICATION NUMBER: 60/178,965  
PRIOR FILING DATE: 2000-02-01  
NUMBER OF SEQ. ID NOS: 1387  
SOFTWARE: CurePathFormatter Version 0.9  
SEQ ID NO 926  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (0)...(0)  
OTHER INFORMATION: Polypeptide Accession Number P14317  
US-09-538-092-926

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124  
Db 430 GISAVAL 436

RESULT 144  
US-09-949-016-6216  
Sequence 6216, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ. ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 6216  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-6216

Query Match 0.4%; Score 7; DB 2; Length 486;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EATVEA 58  
Db 172 EATVEA 178

RESULT 145  
US-07-794-393-2  
Sequence 2, Application US/07794393  
Patent No. 5236844  
GENERAL INFORMATION:  
APPLICANT: CHAMON, PIERRE  
APPLICANT: BASSET, PAUL  
APPLICANT: BELLOU, JEAN-PIERRE  
TITLE OF INVENTION: ANALYTICAL MARKERS FOR MALIGNANT BREAST  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRES:  
ADDRESSER: Sterne, Keesler, Goldstein & Fox  
STREET: 1225 Connecticut Ave. NW Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/794,393  
FILING DATE: 19911121  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: GB 9025326.1  
FILING DATE: 21-NOV-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: GOLDSTEIN, JORGE A  
REGISTRATION NUMBER: 29,021  
REFERENCE/DOCKET NUMBER: 1383.0040000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 466-0800  
TELEFAX: (202) 833-8716  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 488 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-794-393-2

Query Match 0.4%; Score 7; DB 1; Length 488;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1231 CGVPDPs 1237  
Db 80 CGVPDPs 86

## RESULT 146

US-08-001-711-2  
; Sequence 2, Application US/08001711  
; Patent No. 5484726  
; GENERAL INFORMATION:  
; APPLICANT: BASSETT, PAUL  
; APPLICANT: BELLOCO, JEAN-PIERRE  
; APPLICANT: CHAMBERON, PIERRE  
; TITLE OF INVENTION: ANALYTICAL MARKERS FOR MALIGNANT BREAST  
; TITLE OF INVENTION: CANCER  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox  
; STREET: 1225 Connecticut Suite 300  
; CITY: Washington  
; STATE: D.C.  
; ZIP: 20036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/001,711  
; FILING DATE: 19930107  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/794,393  
; FILING DATE: 11-NOV-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9025626.1  
; FILING DATE: 21-NOV-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MILMAN, ROBERT A  
; REGISTRATION NUMBER: 36,217  
; REFERENCE/DOCKET NUMBER: 1383.0040001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)466-0800  
; TELEFAX: (202)833-8716  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 488 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-001-711-2

Query Match 0.4%; Score 7; DB 1; Length 488;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1231 CGVPDPs 1237  
Db 80 CGVPDPs 86

## RESULT 147

US-08-704-711A-22  
; Sequence 22, Application US/08704711A  
; Patent No. 6114159  
; GENERAL INFORMATION:  
; APPLICANT: WILL, Horst  
; APPLICANT: HINZMANN, Bernd  
; TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX  
; TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner  
STREET: 3000 K Street, N.W., Suite 500  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20007-5109

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/704,711A  
; FILING DATE: 20-NOV-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/DE95/00357  
; FILING DATE: 17-MAR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE 4438838.1  
; FILING DATE: 21-OCT-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE 4409663.1  
; FILING DATE: 17-MAR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: GRANADOS, Patricia D.  
; REGISTRATION NUMBER: 33,683  
; REFERENCE/DOCKET NUMBER: 26083/124  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399  
; TELEX: 904136  
; INFORMATION FOR SEQ ID NO: 22:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 488 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-704-711A-22

Query Match 0.4%; Score 7; DB 2; Length 488;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1231 CGVPDPs 1237  
Db 80 CGVPDPs 86

## RESULT 148

US-09-521-220-22  
; Sequence 22, Application US/09521220  
; Patent No. 6399348  
; GENERAL INFORMATION:  
; APPLICANT: WILL, Horst  
; APPLICANT: HINZMANN, Bernd  
; TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX  
; TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/521,220

;; FILING DATE: 08-Mar-2000  
;; CLASSIFICATION: <Unknown>  
;; 21-OCT-1994  
;; 17-MAR-1994  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/704,711  
;; FILING DATE: <Unknown>  
;; APPLICATION NUMBER: DE 4438838.1  
;; FILING DATE: 21-OCT-1994  
;; APPLICATION NUMBER: DE 4409663.1  
;; FILING DATE: 17-MAR-1994  
;;  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: GRANADOS, Patricia D.  
;; REGISTRATION NUMBER: 33,683  
;; REFERENCE/DOCKET NUMBER: 26083/124  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (202) 672-5300  
;; TELEFAX: (202) 672-5399  
;; TELEX: 904136  
;;  
;; INFORMATION FOR SEQ ID NO: 22:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 488 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;;  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
US-09-521-220-22  
;  
Query Match 0.4%; Score 7; DB 2; Length 488;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
;  
QY 1231 CGVDPDS 1237  
DB 80 CGVDPDS 86  
;  
RESULT 149  
US-09-391-104-31  
; Sequence 31, Application US/09391104  
; Patent No. 6399371  
; GENERAL INFORMATION:  
; APPLICANT: Abbott Laboratories  
; APPLICANT: Falduto, Michael T.  
; APPLICANT: Magnuson, Scott R.  
; APPLICANT: Morgan, Douglas W.  
; TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEINASE GENE,  
; TITLE OF INVENTION: OF USING SAME  
; FILE REFERENCE: 6073.US.P1  
; CURRENT APPLICATION NUMBER: US/09/391,104  
; CURRENT FILING DATE: 1999-09-07  
; PRIOR APPLICATION NUMBER: US 08/814,394  
; PRIOR FILING DATE: 1997-03-11  
; NUMBER OF SEQ. ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 31  
; LENGTH: 488  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-391-104-31  
;  
Query Match 0.4%; Score 7; DB 2; Length 488;  
Best Local Similarity 100.0%; Pred. No. 6.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
;  
QY 1231 CGVDPDS 1237  
DB 80 CGVDPDS 86  
;  
RESULT 150  
US-07-903-103-4

;; Sequence 4, Application US/07903103  
;; Patent No. 541860  
;; GENERAL INFORMATION:  
;; APPLICANT: VOGELSTEIN, BERT  
;; APPLICANT: KINZLER, KENNETH  
;; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
;; TITLE OF INVENTION: HUMAN TUMORS  
;; NUMBER OF SEQUENCES: 4  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
;; STREET: 1001 G ST., N.W.  
;; CITY: WASHINGTON  
;; STATE: D.C.  
;; COUNTRY: USA  
;; ZIP: 20001-4597  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patentin Release #1.0, Version #1.25  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/07/903,103  
;; FILING DATE: 19920623  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 07/867,840  
;; FILING DATE: 07-APR-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: KAGAN, SARAH A.  
;; REGISTRATION NUMBER: 32,141  
;; REFERENCE/DOCKET NUMBER: 01107.40148  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-508-9100  
;; TELEX: 197430 BBMB UT  
;; TELEFAX: 202-508-9299  
;;  
;; INFORMATION FOR SEQ ID NO: 4:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 489 amino acids  
;; TYPE: AMINO ACID  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-07-903-103-4  
;  
Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
;  
QY 435 SVKELKE 441  
DB 409 SVKELKE 415  
;  
RESULT 151  
US-08-044-619A-4  
; Sequence 4, Application US/08044619A  
; Patent No. 5420263  
; GENERAL INFORMATION:  
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY  
; APPLICANT: 720 RUTLAND AVENUE, BALTIMORE, MARYLAND 21205 USA  
; TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
; TITLE OF INVENTION: HUMAN TUMORS  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
; STREET: 1001 G ST., N.W.  
; CITY: WASHINGTON  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20001-4597  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/044,619A  
FILING DATE: 07-APR-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/903,103  
FILING DATE: 23-JUN-1992  
APPLICATION NUMBER: US 07/867,840  
FILING DATE: 07-APR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,40148  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-044-619A-4

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441  
Db 409 SVKELKE 415

RESULT 152  
US-08-283-911-4  
Sequence 4, Application US/08283911  
Patent No. 5519118  
GENERAL INFORMATION:  
APPLICANT: VOGELSTEIN, BERT  
APPLICANT: KINZLER, KENNETH  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
TITLE OF INVENTION: HUMAN TUMORS  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G ST., N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001-4597  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/283,911  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/903,103  
FILING DATE: 23-JUN-1992  
APPLICATION NUMBER: US 07/867,840  
FILING DATE: 07-APR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,40148  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299

TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-283-911-4

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441  
Db 409 SVKELKE 415

RESULT 153  
US-08-245-500A-5  
Sequence 5, Application US/08245500A  
Patent No. 5550023  
GENERAL INFORMATION:  
APPLICANT: BURRILL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
TITLE OF INVENTION: HUMAN TUMORS  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/245,500A  
FILING DATE: 07-APR-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-245-500A-5

Query Match  
Best Local Similarity 100.0%; Score 7; DB 1; Length 489;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441  
Db 409 SVKELKE 415

RESULT 154  
US-08-390-546-5

Sequence 5, Application US/08390546  
Patent No. 5605044  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,546  
FILING DATE: 07-Apr-1993  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-390-546-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441  
DB 409 SVKELKE 415

RESULT 155  
US-08-390-479A-5  
Sequence 5, Application US/08390479A  
Patent No. 5618921  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER & WITCOFF, LTD.  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,479A  
FILING DATE: 02-FEB-1995  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.48992  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-390-479A-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKELKE 441  
DB 409 SVKELKE 415

RESULT 156  
US-08-557-393-5  
Sequence 5, Application US/08557393  
Patent No. 5702903  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/557,393  
FILING DATE: 13-NOV-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/245,500  
FILING DATE: 18-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-557-393-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKEIKE 441  
|||||  
DB 409 SVKEIKE 415

RESULT 157  
US-08-390-516C-5  
Sequence 5, Application US/08390516C  
Patent No. 5708136  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,516C  
FILING DATE: 07-APR-1993  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-390-516C-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKEIKE 441  
|||||  
DB 409 SVKEIKE 415

RESULT 158  
US-08-390-517A-5  
Sequence 5, Application US/08390517A  
Patent No. 5736338  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE

APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,517A  
FILING DATE: 07-APR-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-390-517A-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 435 SVKEIKE 441  
|||||  
DB 409 SVKEIKE 415

RESULT 159  
US-08-390-515A-5  
Sequence 5, Application US/08390515A  
Patent No. 5756455  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,515A

FILING DATE: 07-APR-1993  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-390-515A-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441  
Db 409 SVKELKE 415

RESULT 160  
US-08-801-718-5  
Sequence 5, Application US/08801718  
Patent No. 5858976  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
TITLE OF INVENTION: HUMAN TUMORS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/801,718  
FILING DATE: 14-FEB-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/390,515  
FILING DATE: 07-APR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: KAGAN, SARAH A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107.42798  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-508-9100  
TELEFAX: 202-508-9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 489 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-801-718-5

Query Match 0.4%; Score 7; DB 1; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 435 SVKELKE 441  
Db 409 SVKELKE 415

RESULT 161  
US-08-448-489-11  
Sequence 11, Application US/08448489  
Patent No. 6184022  
GENERAL INFORMATION:  
APPLICANT: SEIKI, Motoharu  
APPLICANT: SATO, Hiroshi  
APPLICANT: SHINAGAWA, Akira  
TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR  
FILE REFERENCE: 55-290P  
CURRENT APPLICATION NUMBER: US/08/448,489  
CURRENT FILING DATE: 1995-06-07  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 11  
LENGTH: 489  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
OTHER INFORMATION: X = UNKNOWN  
OTHER INFORMATION: Description of Unknown Organism: Known Member of  
US-08-448-489-11  
OTHER INFORMATION: Matrix Metalloproteinase Family

Query Match 0.4%; Score 7; DB 2; Length 489;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1231 CGVPDPS 1237  
Db 80 CGVPDPS 86

RESULT 162  
US-09-170-159A-5  
Sequence 5, Application US/09170159A  
Patent No. 6399755  
GENERAL INFORMATION:  
APPLICANT: BURRELL, MARILEE  
APPLICANT: HILL, DAVID E.  
APPLICANT: KINZLER, KENNETH W.  
APPLICANT: VOGELSTEIN, BERT  
TITLE OF INVENTION: AMPLIFICATION OF HUMAN MDM2 GENE IN  
TITLE OF INVENTION: HUMAN TUMORS  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: BANNER, BIRCH, MCKIE AND BECKETT  
STREET: 1001 G STREET, N.W.  
CITY: WASHINGTON  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/170,159A  
FILING DATE: 13-Oct-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:

```
/ NAME: KAGAN, SARAH A.
/ REGISTRATION NUMBER: 32,141
/ REFERENCE/DOCKET NUMBER: 01107.42798
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-508-9100
/ TELEFAX: 202-508-9239
/ TELEX: 197430 BBMB UT
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 489 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-170-159A-5

Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      435 SVKEKE 441
        |||||
Db      409 SVKEKE 415

RESULT 163
US-09-480-718-46
/ Sequence 46, Application US/09480718
/ Patent No. 6407062
/ GENERAL INFORMATION:
/ APPLICANT: Sherr, Charles J
/ APPLICANT: Quelle, Dawn E
/ APPLICANT: Weber, Jason D.
/ APPLICANT: Rouseel, Martine F.
/ APPLICANT: Frederique, Zindy
/ TITLE OF INVENTION: ARF-19, A NOVEL REGULATOR OF THE MAMMALIAN CELL CYCLE
/ FILE REFERENCE: 1340-1-023 CIP 1
/ CURRENT APPLICATION NUMBER: US/09/480,718
/ CURRENT FILING DATE: 2000-01-07
/ EARLIER APPLICATION NUMBER: 09/129,855
/ EARLIER FILING DATE: 1998-08-06
/ NUMBER OF SEQ ID NOS: 48
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 46
/ LENGTH: 489
/ TYPE: PRT
/ ORGANISM: Mouse
US-09-480-718-46

Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      435 SVKEKE 441
        |||||
Db      409 SVKEKE 415

RESULT 164
US-09-134-000C-4888
/ Sequence 4888, Application US/09134000C
/ Patent No. 6617156
/ GENERAL INFORMATION:
/ APPLICANT: Lynn Doucette-Stamm et al
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
/ TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 032796-032
/ CURRENT APPLICATION NUMBER: US/09/134,000C
/ CURRENT FILING DATE: 1998-08-13
/ PRIOR APPLICATION NUMBER: US 60/055,778
/ PRIOR FILING DATE: 1997-08-15
/ NUMBER OF SEQ ID NOS: 6812
/ SOFTWARE: PatentIn version 3.1
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/ SEQ ID NO 4888
/ LENGTH: 489
/ TYPE: PRT
/ ORGANISM: Enterococcus faecalis
US-09-134-000C-4888

Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      246 EYLQGF 252
        |||||
Db      313 EYLQGF 319

RESULT 165
US-09-689-730-11
/ Sequence 11, Application US/09689730
/ Patent No. 6825024
/ GENERAL INFORMATION:
/ APPLICANT: SEIKI, Motoharu
/ APPLICANT: SATO, Hiroshi
/ APPLICANT: SHINAGAWA, Akira
/ TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
/ FILE REFERENCE: 55-290P
/ CURRENT APPLICATION NUMBER: US/09/689,730
/ CURRENT FILING DATE: 2000-10-13
/ PRIOR APPLICATION NUMBER: US/08/448,489
/ PRIOR FILING DATE: 1995-06-07
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 11
/ LENGTH: 489
/ TYPE: PRT
/ ORGANISM: Unknown
/ FEATURE:
/ OTHER INFORMATION: X = UNKNOWN
/ OTHER INFORMATION: Description of Unknown Organism: Known Member of
/ OTHER INFORMATION: Matrix Metalloproteinase Family
US-09-689-730-11

Query Match          0.4%; Score 7; DB 2; Length 489;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1231 CGVPDP 1237
        |||||
Db      80 CGVPDP 86

RESULT 166
US-09-252-991A-19601
/ Sequence 19601, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 19601
/ LENGTH: 490
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19601

Query Match          0.4%; Score 7; DB 2; Length 490;
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Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1464 ADTLEHM 1470  
|||||

DB 331 ADTLEHM 337

RESULT 167

US-09-949-016-10808  
; Sequence 10808, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 10808  
; LENGTH: 491  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-10808

Query Match 0.4%; Score 7; DB 2; Length 491;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1231 CGVPDS 1237  
|||||

DB 83 CGVPDS 89

RESULT 168

US-09-712-363-222  
; Sequence 222, Application US/09712363  
; Patent No. 6892139  
; GENERAL INFORMATION:  
; APPLICANT: Eisenberg, David  
; APPLICANT: Rotstein, Sergio H.  
; APPLICANT: Marcotte, Edward M.  
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND  
; INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS  
; FILE REFERENCE: 07419-032001  
; CURRENT APPLICATION NUMBER: US/09/712,363  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: PCT/US00/02246  
; PRIOR FILING DATE: 2000-01-28  
; PRIOR APPLICATION NUMBER: 60/179,531  
; PRIOR FILING DATE: 2000-02-01  
; PRIOR APPLICATION NUMBER: 60/117,844  
; PRIOR FILING DATE: 1999-01-29  
; PRIOR APPLICATION NUMBER: 60/118,206,  
; PRIOR FILING DATE: 1999-02-01  
; PRIOR APPLICATION NUMBER: 60/126,593  
; PRIOR FILING DATE: 1999-03-26  
; PRIOR APPLICATION NUMBER: 60/134,093  
; PRIOR FILING DATE: 1999-05-14  
; PRIOR APPLICATION NUMBER: 60/134,092  
; PRIOR FILING DATE: 1999-05-14  
; PRIOR APPLICATION NUMBER: 60/165,124  
; PRIOR FILING DATE: 1999-11-12  
; PRIOR APPLICATION NUMBER: 60/165,086  
; PRIOR FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 292  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 222  
; LENGTH: 494  
; TYPE: PRT  
; ORGANISM: Mycobacterium tuberculosis

US-09-712-363-222

Query Match 0.4%; Score 7; DB 2; Length 494;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 863 GGEIGRA 869  
|||||

DB 149 GGEIGRA 155

RESULT 169

US-10-104-047-3469  
; Sequence 3469, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241el full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; PRIOR FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3469  
; LENGTH: 495  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-104-047-3469

Query Match 0.4%; Score 7; DB 2; Length 495;  
Best Local Similarity 100.0%; Pred. No. 6.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 208 SSOHSSG 214  
|||||

DB 360 SSOHSSG 366

RESULT 170

US-09-107-532A-7077  
; Sequence 7077, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCIT  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 7077:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 498 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...498  
SEQUENCE DESCRIPTION: SEQ ID NO: 7077:  
US-09-107-532A-7077

Query Match 0.4%; Score 7; DB 2; Length 498;  
Best Local Similarity 100.0%; Pred. No. 6.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1063 TTTLYLT 1069  
|||  
DB 85 TTTLYLT 91

RESULT 171  
US-09-446-301A-51  
Sequence 51, Application US/09446301A  
Patent No. 6506893  
GENERAL INFORMATION:  
APPLICANT: EL. SOLH, NEVINE  
APPLICANT: ALLIGNEY, JEANINE  
TITLE OF INVENTION: POLYNUCLEOTIDES AND THEIR USE FOR DETECTING RESISTANCE  
TITLE OF INVENTION: TO STREPTOGRAMIN A OR TO STREPTOGRAMIN B AND RELATED  
FILE REFERENCE: 03715-0059  
CURRENT APPLICATION NUMBER: US/09/446,301A  
CURRENT FILING DATE: 1999-12-20  
NUMBER OF SEQ ID NOS: 51  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 51  
LENGTH: 507  
TYPE: PRT  
ORGANISM: Staphylococcus sp.  
US-09-446-301A-51

Query Match 0.4%; Score 7; DB 2; Length 507;  
Best Local Similarity 100.0%; Pred. No. 7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 SSLDSG 160  
|||  
DB 39 SSLDSG 45

RESULT 172  
US-09-949-016-9878  
Sequence 9878, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9878  
LENGTH: 507  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-9878

Query Match 0.4%; Score 7; DB 2; Length 507;  
Best Local Similarity 100.0%; Pred. No. 7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 EAFTEA 58  
|||  
DB 193 EAFTEA 199

RESULT 173  
US-09-413-814-34  
Sequence 34, Application US/09413814  
Patent No. 6225064  
GENERAL INFORMATION:  
APPLICANT: Gesellschaft fuer Biotechnologische Forschung mbH  
APPLICANT: Bristol-Myers Squibb, Co.  
APPLICANT: Beyer, Stefan  
APPLICANT: Bioecker, Helmut  
APPLICANT: Brandt, Petra  
APPLICANT: Cino, Paul M  
APPLICANT: Dougherty, Brian A  
APPLICANT: Goldberg, Steven L  
APPLICANT: Hoeffel, Gerhard  
APPLICANT: Mueller, Joachim  
APPLICANT: Reichenbach, Hans  
TITLE OF INVENTION: DNA sequences for enzymatic synthesis of polypeptide or  
TITLE OF INVENTION: heteropolypeptide compounds  
FILE REFERENCE: PCT/US 99/23535  
CURRENT APPLICATION NUMBER: US/09/413,814  
CURRENT FILING DATE: 1999-10-07  
EARLIER APPLICATION NUMBER: DE 198 46 493.2  
EARLIER FILING DATE: 1998-10-09  
NUMBER OF SEQ ID NOS: 107  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 34  
LENGTH: 557  
TYPE: PRT  
ORGANISM: Sorangium cellulosum  
US-09-413-814-34

Query Match 0.4%; Score 7; DB 2; Length 557;  
Best Local Similarity 100.0%; Pred. No. 7.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEEA 218  
|||  
DB 103 SSGEEA 109

RESULT 174  
US-09-583-110-4254  
Sequence 4254, Application US/09583110  
Patent No. 6699703  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al.  
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
FILE REFERENCE: PATH00-07A

CURRENT APPLICATION NUMBER: US/09/583,110  
CURRENT FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/107,433  
PRIOR FILING DATE: 1998-06-30  
PRIOR APPLICATION NUMBER: US 60/085,131  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: US 60/051,553  
PRIOR FILING DATE: 1997-07-02  
NUMBER OF SEQ ID NOS: 5322  
SEQ ID NO 4254  
LENGTH: 567  
TYPE: PRT  
ORGANISM: Streptococcus pneumoniae  
US-09-583-110-4254

Query Match  
Best Local Similarity 100.0%; Pred. No. 7.7e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 783 KVSQVY 789  
| | | | |  
Db 396 KVSQVY 402

RESULT 175  
US-09-107-433-3986  
Sequence 3986, Application US/09107433  
Patent No. 6800744  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID  
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE  
THERAPEUTICS  
NUMBER OF SEQUENCES: 5206  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
City: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: <Unknown>  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: <Unknown>  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,433  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085131  
FILING DATE: May 12, 1998  
APPLICATION NUMBER: 60/051553  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneka  
REGISTRATION NUMBER: 40,469  
REFERENCE/DOCKET NUMBER: GTC-011  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 3986:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 572 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: Streptococcus pneumoniae  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...572

SEQUENCE DESCRIPTION: SEQ ID NO: 3986:  
US-09-107-433-3986

Query Match  
Best Local Similarity 100.0%; Pred. No. 7.8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 783 KVSQVY 789  
| | | | |  
Db 401 KVSQVY 407

RESULT 176  
US-09-902-540-10714  
Sequence 10714, Application US/09902540  
Patent No. 6833447  
GENERAL INFORMATION:  
APPLICANT: Goldman, Barry S.  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Wiegand, Roger C.  
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
FILE REFERENCE: 38-10(15849)B  
CURRENT APPLICATION NUMBER: US/09/902,540  
CURRENT FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: 60/217,883  
PRIOR FILING DATE: 2000-07-10  
NUMBER OF SEQ ID NOS: 16825  
SEQ ID NO 10714  
LENGTH: 583  
TYPE: PRT  
ORGANISM: Myxococcus xanthus  
US-09-902-540-10714

Query Match  
Best Local Similarity 100.0%; Pred. No. 7.9e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 892 GSECDG 898  
| | | | |  
Db 525 GSECDG 531

RESULT 177  
US-09-248-796A-15425  
Sequence 15425, Application US/09248796A  
Patent No. 6747137  
GENERAL INFORMATION:  
APPLICANT: Keith Weinstock et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
FILE REFERENCE: 107196.132  
CURRENT APPLICATION NUMBER: US/09/248,796A  
CURRENT FILING DATE: 1999-02-12  
PRIOR APPLICATION NUMBER: US 60/074,725  
PRIOR FILING DATE: 1998-02-13  
PRIOR APPLICATION NUMBER: US 60/096,409  
PRIOR FILING DATE: 1998-08-13  
NUMBER OF SEQ ID NOS: 28208  
SEQ ID NO 15425  
LENGTH: 592  
TYPE: PRT  
ORGANISM: Candida albicans  
US-09-248-796A-15425

Query Match  
Best Local Similarity 100.0%; Pred. No. 8e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 155 SLDQSGP 161  
| | | | |  
Db 90 SLDQSGP 96

```
RESULT 178
US-09-902-540-9826
; Sequence 9826; Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 9826
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-9826

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 603;
Pred. No. 8.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 857 QVLAENG 863
DB 436 QVLAENG 442

RESULT 179
US-09-489-039A-9256
; Sequence 9256; Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9256
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9256

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 621;
Pred. No. 8.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 LIRPEVL 46
DB 479 LIRPEVL 485

RESULT 180
US-09-252-991A-30904
; Sequence 30904; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
```

```
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30904
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30904

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 628;
Pred. No. 8.5e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 259 SPLQPL 265
DB 209 SPLQPL 215

RESULT 181
US-09-252-991A-24104
; Sequence 24104; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24104
; LENGTH: 648
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24104

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 648;
Pred. No. 8.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 244 RLEVLQG 250
DB 589 RLEVLQG 595

RESULT 182
US-09-949-016-9577
; Sequence 9577; Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9577
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Human
```

US-09-949-016-9577

Query Match 0.4%; Score 7; DB 2; Length 655;

Best Local Similarity 100.0%; Pred. No. 8.8e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 SSGEERA 218

Db 649 SSGEERA 655

RESULT 183

US-09-489-039A-12466

; Sequence 12466, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; FILE REFERENCE: 2709.2004001

; CURRENT APPLICATION NUMBER: US/09/489,039A

; PRIOR FILING DATE: 2000-01-27

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 12466

; LENGTH: 660

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-12466

Query Match 0.4%; Score 7; DB 2; Length 660;

Best Local Similarity 100.0%; Pred. No. 8.9e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1197 QASSGOY 1203

Db 602 QASSGOY 608

RESULT 184

US-09-198-452A-468

; Sequence 468, Application US/09198452A

; Patent No. 6559294

; GENERAL INFORMATION:

; APPLICANT: Griffiths, R.

; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments

; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention

; FILE REFERENCE: 9710-003-999

; CURRENT APPLICATION NUMBER: US/09/198,452A

; PRIOR FILING DATE: 1998-11-24

; NUMBER OF SEQ ID NOS: 6849

; SEQ ID NO 468

; LENGTH: 671

; TYPE: PRT

; ORGANISM: Chlamydia pneumoniae

US-09-198-452A-468

Query Match 0.4%; Score 7; DB 2; Length 671;

Best Local Similarity 100.0%; Pred. No. 9e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1162 SCPSLL 1168

Db 132 SCPSLL 138

RESULT 185

US-09-538-092-421

; Sequence 421, Application US/09538092

; Patent No. 6753314

; GENERAL INFORMATION:

; APPLICANT: Glot, Loic

; TITLE OF INVENTION: Manganese, Tract A.

; FILE REFERENCE: 15966-542

; CURRENT APPLICATION NUMBER: US/09/538,092

; PRIOR FILING DATE: 2000-03-29

; PRIOR FILING DATE: 1999-04-01

; PRIOR FILING DATE: 2000-02-01

; NUMBER OF SEQ ID NOS: 1387

; SEQ ID NO 421

; TYPE: PRT

; ORGANISM: Saccharomyces cerevisiae

; NAME/KEY: misc feature

; LOCATION: (0)..(0)

; OTHER INFORMATION: Polypeptide Accession Number Y1144W

US-09-538-092-421

Query Match 0.4%; Score 7; DB 2; Length 691;

Best Local Similarity 100.0%; Pred. No. 9.2e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1390 NOEREXL 1396

Db 420 NOEREXL 426

RESULT 186

US-09-902-540-11035

; Sequence 11035, Application US/09902540

; Patent No. 6833447

; GENERAL INFORMATION:

; APPLICANT: Goldmann, Barry S.

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

; FILE REFERENCE: 38-10(15849)B

; CURRENT APPLICATION NUMBER: US/09/902,540

; PRIOR FILING DATE: 2001-07-10

; PRIOR FILING DATE: 2000-07-10

; NUMBER OF SEQ ID NOS: 16825

; SEQ ID NO 11035

; LENGTH: 691

; TYPE: PRT

; ORGANISM: Myxococcus xanthus

US-09-902-540-11035

Query Match 0.4%; Score 7; DB 2; Length 691;

Best Local Similarity 100.0%; Pred. No. 9.2e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1489 PDPVLVH 1495

Db 333 PDPVLVH 339

RESULT 187

US-09-252-991A-26724

; Sequence 26724, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; PRIOR FILING DATE: 1999-02-18

```
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 26724
/ LENGTH: 692
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: (571)
/ OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-26724

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 692;
Pred. No. 9.2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 36 RERLLR 42
Db 276 RERLLR 282

RESULT 188
US-09-949-016-7243
/ Sequence 7243, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ PRIOR FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 7243
/ LENGTH: 693
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-7243

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 693;
Pred. No. 9.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1038 RPEGARA 1044
Db 10 RPEGARA 16

RESULT 189
US-09-252-991A-28636
/ Sequence 28636, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
```

```
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 28636
/ LENGTH: 696
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28636

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 696;
Pred. No. 9.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 37 ERLLRP 43
Db 369 ERLLRP 375

RESULT 190
US-09-949-016-9436
/ Sequence 9436, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ PRIOR FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9436
/ LENGTH: 717
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-9436

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 717;
Pred. No. 9.5e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1520 YDGDCC 1526
Db 668 YDGDCC 674

RESULT 191
US-09-252-991A-30884
/ Sequence 30884, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 30884
/ LENGTH: 724
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30884

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 724;
Pred. No. 9.5e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Best Local Similarity 100.0%; Pred. No. 9.6e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 863 GGEIQA 869  
Db 530 GGEIQA 536

## RESULT 192

US-09-370-838-67  
; Sequence 67, Application US/09370838  
; Patent No. 644425  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Mohamath, Raodoh  
; APPLICANT: Secrist, Heather  
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF  
; FILE REFERENCE: 210121.475C1  
; CURRENT APPLICATION NUMBER: US/09/370,838  
; EARLIER FILING DATE: 1999-08-09  
; EARLIER APPLICATION NUMBER: US 09/285,323  
; NUMBER OF SEQ ID NOS: 289  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 67  
; LENGTH: 764  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-370-838-67

Query Match 0.4%; Score 7; DB 2; Length 764;  
Best Local Similarity 100.0%; Pred. No. 1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GDSSEDA 183  
Db 700 GDSSEDA 706

## RESULT 193

US-09-538-092-944  
; Sequence 944, Application US/09538092  
; Patent No. 6753314  
; GENERAL INFORMATION:  
; APPLICANT: Glot, Loic  
; APPLICANT: Mansfield, Traci A.  
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same  
; FILE REFERENCE: 15966-542  
; CURRENT APPLICATION NUMBER: US/09/538,092  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: 60/127,352  
; PRIOR FILING DATE: 1999-04-01  
; PRIOR APPLICATION NUMBER: 60/178,965  
; PRIOR FILING DATE: 2000-02-01  
; NUMBER OF SEQ ID NOS: 1387  
; SOFTWARE: CurataseqFormatter Version 0.9  
; SEQ ID NO 944  
; LENGTH: 764  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (0)...(0)  
; OTHER INFORMATION: Polypeptide Accession Number P17480  
US-09-538-092-944

Query Match 0.4%; Score 7; DB 2; Length 764;  
Best Local Similarity 100.0%; Pred. No. 1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GDSSEDA 183

Db 700 GDSSEDA 706

RESULT 194  
US-09-854-133-67  
; Sequence 67, Application US/09854133  
; Patent No. 6759508  
; GENERAL INFORMATION:  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Mohamath, Raodoh  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Secrist, Heather  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
; FILE REFERENCE: 210121.475C10  
; CURRENT APPLICATION NUMBER: US/09/854,133  
; CURRENT FILING DATE: 2001-05-11  
; NUMBER OF SEQ ID NOS: 735  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 67  
; LENGTH: 764  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-854-133-67

Query Match 0.4%; Score 7; DB 2; Length 764;  
Best Local Similarity 100.0%; Pred. No. 1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 177 GDSSEDA 183  
Db 700 GDSSEDA 706

## RESULT 195

US-09-949-016-6167  
; Sequence 6167, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6167  
; LENGTH: 767  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-6167

Query Match 0.4%; Score 7; DB 2; Length 767;  
Best Local Similarity 100.0%; Pred. No. 1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1107 SVLNFS 1113  
Db 721 SVLNFS 727

RESULT 196  
US-09-981-953A-2  
; Sequence 2, Application US/09981953A

```
/ Patent No. 6689599
/ GENERAL INFORMATION:
/ APPLICANT: RACIE, LISA A.
/ APPLICANT: TRINE, NATALIE C.
/ APPLICANT: AGOSTINO, MICHAEL J.
/ APPLICANT: WOLFMAN, NEIL
/ APPLICANT: MORRIS, ELISABETH A.
/ TITLE OF INVENTION: NOVEL AGGREGANASE MOLECULES
/ FILE REFERENCE: 08702.0075-00000
/ CURRENT APPLICATION NUMBER: US/09/981,953A
/ PRIOR FILING DATE: 2001-10-18
/ PRIOR APPLICATION NUMBER: 60/242,317
/ PRIOR FILING DATE: 2000-10-20
/ NUMBER OF SEQ ID NOS: 22
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 2
/ LENGTH: 770
/ TYPE: PRT
/ ORGANISM: Unknown Organism
/ FEATURE:
/ OTHER INFORMATION: Description of Unknown Organism: Amino acid
/ OTHER INFORMATION: sequence of the aggreganase molecule
/ NAME/KEY: MOD_RES
/ LOCATION: (200)
/ FEATURE:
/ OTHER INFORMATION: Any amino acid
/ NAME/KEY: MOD_RES
/ LOCATION: (214)
/ OTHER INFORMATION: Any amino acid
/ US-09-981-953A-2
```

```
Query Match          0.4%; Score 7; DB 2; Length 770;
Best Local Similarity 100.0%; Pred.No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      344 LRRHRYVL 350
      |||||
Db      687 LRRHRYVL 693
```

```
RESULT 197
US-09-949-016-9773
/ Sequence 9773, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9773
/ LENGTH: 781
/ TYPE: PRT
/ ORGANISM: Human
/ US-09-949-016-9773
```

```
Query Match          0.4%; Score 7; DB 2; Length 781;
Best Local Similarity 100.0%; Pred.No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      177 GDSSEBDG 183
      |||||
Db      717 GDSSEBDG 723
```

```
RESULT 198
US-09-949-016-9432
/ Sequence 9432, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9432
/ LENGTH: 789
/ TYPE: PRT
/ ORGANISM: Human
/ US-09-949-016-9432
```

```
Query Match          0.4%; Score 7; DB 2; Length 789;
Best Local Similarity 100.0%; Pred.No. 1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1107 SYLVNFS 1113
      |||||
Db      743 SYLVNFS 749
```

```
RESULT 199
US-08-785-052-4
/ Sequence 4, Application US/08785052
/ Patent No. 5756329
/ GENERAL INFORMATION:
/ APPLICANT: Hodgson, John
/ APPLICANT: Lawlor, Elizabeth
/ TITLE OF INVENTION: No. 5756329e1 tRNA Synthetase
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSES: SmithKline Beecham Corporation
/ STREET: 709 Swedeland Road
/ CITY: King of Prussia
/ STATE: PA
/ COUNTRY: USA
/ ZIP: 19406-0939
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/785,052
/ FILING DATE: 17-JAN-1997
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 9601096.2
/ FILING DATE: 19-JAN-1996
/ APPLICATION NUMBER: 9615845.6
/ FILING DATE: 27-JUL-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Gimmil, Edward R
/ REGISTRATION NUMBER: 38,891
/ REFERENCE/DOCKET NUMBER: P31354-1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 610-270-4478
/ TELEFAX: 610-270-5090
```



TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 800 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-785-052-4

Query Match 0.4%; Score 7; DB 1; Length 800;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 EILLENK 758  
DB 657 EILLENK 663

RESULT 200  
US-08-913-581-4  
Sequence 4, Application US/08913581  
Patent No. 594657  
GENERAL INFORMATION:  
APPLICANT: Hodgson, John  
TITLE OF INVENTION: No. 594657el tRNA Synthetase  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/913,581  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/785,052  
FILING DATE: 17-JAN-1997  
APPLICATION NUMBER: 9601096.2  
FILING DATE: 19-JAN-1996  
APPLICATION NUMBER: 9615845.6  
FILING DATE: 27-JUL-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Gimmil, Edward R  
REGISTRATION NUMBER: 38,891  
REFERENCE/DOCKET NUMBER: P31354-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-270-4478  
TELEFAX: 610-270-5090  
TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 800 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-913-581-4

Query Match 0.4%; Score 7; DB 1; Length 800;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 752 EILLENK 758

DB 657 EILLENK 663

RESULT 201  
US-08-158-232-10  
Sequence 10, Application US/08158232  
Patent No. 5596071  
GENERAL INFORMATION:  
APPLICANT: Payne, Jewel  
APPLICANT: Kennedy, M. Keith  
APPLICANT: Randall, John Brooks  
APPLICANT: Meier, Henry  
APPLICANT: Vick, Heidi Jane  
APPLICANT: Foncerra, Luis  
APPLICANT: Schaepl, H. Ernest  
APPLICANT: Schwab, George E.  
APPLICANT: Fu, Jenny  
TITLE OF INVENTION: No. 5596071el Bacillus thuringiensis Toxins Active  
AGAINST HYMENOPTERAN PESTS  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David R. Saliwanchik  
STREET: 2421 N.W. 41st Street, Suite A-1  
CITY: Gainesville  
STATE: FL  
COUNTRY: USA  
ZIP: 32606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/158,232  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/887,980  
FILING DATE: 22-MAY-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/797,645  
FILING DATE: 25-NOV-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/703,977  
FILING DATE: 22-MAY-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Saliwanchik, David R.  
REGISTRATION NUMBER: 31,794  
REFERENCE/DOCKET NUMBER: W/SCU104.C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 904-375-8100  
TELEFAX: 904-372-5800  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 803 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bacillus thuringiensis  
INDIVIDUAL ISOLATE: PS63B  
IMMEDIATE SOURCE:  
CLONE: E. coli NM522 (pMTC1642) NRRL B-18961  
US-08-158-232-10

Query Match 0.4%; Score 7; DB 1; Length 803;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
|||||  
DB 42 VKELKEA 48

RESULT 202  
US-08-304-626-10  
; Sequence 10, Application US/08304626  
; Patent No. 5616495  
; GENERAL INFORMATION:  
; APPLICANT: Payne, Jewel M.  
; APPLICANT: Kennedy, M. Keith  
; APPLICANT: Randall, John Brooks  
; APPLICANT: Meyer, Henry  
; APPLICANT: Foncestrada, Luis  
; APPLICANT: Wick, Heidi Jane  
; APPLICANT: Foncestrada, Luis  
; APPLICANT: Schaeff, Harry E.  
; APPLICANT: Schwab, George E.  
; TITLE OF INVENTION: No. 5616495el Bacillus thuringiensis Isolates  
; TITLE OF INVENTION: Active Against Hymenopteran Pests and Genes Encoding  
; TITLE OF INVENTION: Hymenopteran-Active Toxins  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David R. Saliwanchik  
; STREET: 2421 N.W. 41st Street, Suite A-1  
; CITY: Gainesville  
; STATE: FL  
; COUNTRY: USA  
; ZIP: 32606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/304,626  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/887,980  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Saliwanchik, David R.  
; REGISTRATION NUMBER: 31,794  
; REFERENCE/DOCKET NUMBER: M/SCJ 104  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 904-375-8100  
; TELEFAX: 904-372-5800  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 803 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Bacillus thuringiensis  
; INDIVIDUAL ISOLATE: PS63B  
; IMMEDIATE SOURCE:  
; CLONE: E. coli NM522 (pMYC1642) NRRL B-18961  
US-08-304-626-10

Query Match 0.4%; Score 7; DB 1; Length 803;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
|||||  
DB 42 VKELKEA 48

RESULT 203  
US-08-316-301A-12  
; Sequence 12, Application US/08316301A  
; Patent No. 5753492  
; GENERAL INFORMATION:  
; APPLICANT: Schaeff, Harry E.  
; APPLICANT: Schwab, George E.  
; APPLICANT: Payne, Jewel M.  
; APPLICANT: Narva, Kenneth E.  
; APPLICANT: Foncestrada, Luis  
; TITLE OF INVENTION: No. 5753492el Nematode-Active Toxins and Genes  
; TITLE OF INVENTION: Which Code Therefor  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Saliwanchik & Saliwanchik  
; STREET: 2421 N.W. 41st Street, Suite A-1  
; CITY: Gainesville  
; STATE: FL  
; COUNTRY: USA  
; ZIP: 32606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/316,301A  
; FILING DATE: 30-SEP-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/871,510  
; FILING DATE: 23-APR-1992  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/693,018  
; FILING DATE: 03-MAY-1991  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/565,544  
; FILING DATE: 10-AUG-1990  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/084,653  
; FILING DATE: 12-AUG-1987  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/830,050  
; FILING DATE: 31-JAN-1992  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lloyd, Jeff  
; REGISTRATION NUMBER: 35,589  
; REFERENCE/DOCKET NUMBER: MA20CCCD1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 904-375-8100  
; TELEFAX: 904-372-5800  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 803 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Bacillus thuringiensis  
; INDIVIDUAL ISOLATE: PS63B  
; IMMEDIATE SOURCE:  
; CLONE: E. coli NM522 (pMYC 1642) NRRL B-18961  
US-08-316-301A-12

Query Match 0.4%; Score 7; DB 1; Length 803;

Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
Db 42 VKELKEA 48

## RESULT 204

US-08-611-928-10  
; Sequence 10, Application US/08611928  
; Patent No. 5824792

## GENERAL INFORMATION:

APPLICANT: Payne, Jewel  
APPLICANT: Kennedy, M. Keith  
APPLICANT: Randall, John Brooks  
APPLICANT: Meier, Henry  
APPLICANT: Vick, Heidi Jane  
APPLICANT: Foncerra, Luis  
APPLICANT: Schnepf, H. Ernest  
APPLICANT: Schwab, George E.  
APPLICANT: Fu, Jenny  
TITLE OF INVENTION: No. 5824792el Bacillus thuringiensis Toxins Active  
TITLE OF INVENTION: Against Hymenopteran Pests  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David R. Saliwanchik  
STREET: 2421 N.W. 41st Street, Suite A-1  
CITY: Gainesville  
STATE: FL  
COUNTRY: USA  
ZIP: 32606

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/611,928  
FILING DATE: 06-MAR-1996

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/158,232  
FILING DATE: 24-NOV-1993

APPLICATION NUMBER: US 07/887,980  
FILING DATE: 22-MAY-1992

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/797,645  
FILING DATE: 25-NOV-1991

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/703,977  
FILING DATE: 22-MAY-1991

CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:

NAME: Saliwanchik, David R.  
REGISTRATION NUMBER: 31,794

REFERENCE/DOCKET NUMBER: M/SC104.C1  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 904-375-8100  
TELEFAX: 904-372-5800

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:

LENGTH: 803 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: YES

ANTI-SENSE: NO  
ORIGINAL SOURCE:

ORGANISM: Bacillus thuringiensis

INDIVIDUAL ISOLATE: PS63B

IMMEDIATE SOURCE:  
CLONE: E. coli NM522 (pmYC1642) NRRL B-18961

US-08-611-928-10

## Query Match

Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
Db 42 VKELKEA 48

## RESULT 205

US-09-173-891-10  
; Sequence 10, Application US/09173891  
; Patent No. 6077937

## GENERAL INFORMATION:

APPLICANT: Payne, Jewel  
APPLICANT: Kennedy, M. Keith  
APPLICANT: Randall, John Brooks  
APPLICANT: Meier, Henry  
APPLICANT: Vick, Heidi Jane  
APPLICANT: Foncerra, Luis  
APPLICANT: Schnepf, H. Ernest  
APPLICANT: Schwab, George E.  
APPLICANT: Fu, Jenny  
TITLE OF INVENTION: No. 6077937el Bacillus thuringiensis Toxins Active  
TITLE OF INVENTION: Against Hymenopteran Pests  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David R. Saliwanchik  
STREET: 2421 N.W. 41st Street, Suite A-1  
CITY: Gainesville  
STATE: FL  
COUNTRY: USA  
ZIP: 32606

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/173,891  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/158,232  
FILING DATE:

APPLICATION NUMBER: US 07/887,980  
FILING DATE: 22-MAY-1992

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/797,645  
FILING DATE: 25-NOV-1991

CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/703,977  
FILING DATE: 22-MAY-1991

CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:

NAME: Saliwanchik, David R.  
REGISTRATION NUMBER: 31,794

REFERENCE/DOCKET NUMBER: M/SC104.C1  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 904-375-8100  
TELEFAX: 904-372-5800

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:

LENGTH: 803 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: YES

ORGANISM: Bacillus thuringiensis

ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bacillus thuringiensis  
INDIVIDUAL ISOLATE: PS63B  
IMMEDIATE SOURCE:  
CLONE: E. coli NM522(pMYC1642) NRRL B-18961  
US-09-173-891-10

Query Match  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
|||||  
DB 42 VKELKEA 48

RESULT 206  
US-09-076-137-12  
Sequence 12, Application US/09076137B  
Patent No. 6166195  
GENERAL INFORMATION:  
APPLICANT: Schnepf, Harry E.  
APPLICANT: Schwab, George E.  
APPLICANT: Payne, Jewel M.  
APPLICANT: Narva, Kenneth E.  
APPLICANT: Foncerrada, Luis  
TITLE OF INVENTION: No. 6166195el Nematode-Active Toxins and Genes Which Code  
TITLE OF INVENTION: Therefor  
FILE REFERENCE: MA-20CCCD2  
CURRENT APPLICATION NUMBER: US/09/076,137B  
CURRENT FILING DATE: 1998-05-12  
EARLIER APPLICATION NUMBER: 08/316,301  
EARLIER FILING DATE: 1994-09-30  
NUMBER OF SEQ ID NOS: 42  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 12  
LENGTH: 803  
TYPE: PRT  
ORGANISM: Bacillus thuringiensis  
US-09-076-137-12

Query Match  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
|||||  
DB 42 VKELKEA 48

RESULT 207  
US-09-738-363-12  
Sequence 12, Application US/09738363  
Patent No. 6632792  
GENERAL INFORMATION:  
APPLICANT: Schnepf, Harry E.  
APPLICANT: Schwab, George E.  
APPLICANT: Payne, Jewel M.  
APPLICANT: Narva, Kenneth E.  
APPLICANT: Foncerrada, Luis  
TITLE OF INVENTION: Nematocidal Proteins  
NUMBER OF SEQUENCES: 40  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Jay M. Sanders  
STREET: 2421 N.W. 41st Street, Suite A-1  
CITY: Gainesville  
STATE: FL  
COUNTRY: USA  
ZIP: 32606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/738,363  
FILING DATE: 15-Dec-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/076,137  
FILING DATE: 12-MAY-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Sanders, Jay  
REGISTRATION NUMBER: 39,355  
REFERENCE/DOCKET NUMBER: MA-20CCCD3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 352-375-8100  
TELEFAX: 352-372-5600  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 803 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bacillus thuringiensis  
INDIVIDUAL ISOLATE: PS63B  
IMMEDIATE SOURCE:  
CLONE: E. coli NM522(pMYC 1642) NRRL B-18961  
SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
US-09-738-363-12

Query Match  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442  
|||||  
DB 42 VKELKEA 48

RESULT 208  
PCT-US92-03624-12  
Sequence 12, Application PC/TUS9203624  
GENERAL INFORMATION:  
APPLICANT: Schnepf, Harry E.  
APPLICANT: Schwab, George E.  
APPLICANT: Payne, Jewel M.  
APPLICANT: Narva, Kenneth E.  
APPLICANT: Foncerrada, Luis  
TITLE OF INVENTION: Novel Nematode-Active Toxins and Genes  
TITLE OF INVENTION: Which Code Therefor  
NUMBER OF SEQUENCES: 40  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David R. Saliwanchik  
STREET: 2421 N.W. 41st Street, Suite A-1  
CITY: Gainesville  
STATE: FL  
COUNTRY: USA  
ZIP: 32606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/03624  
FILING DATE: 19920501  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Saliwanchik, David R.  
REGISTRATION NUMBER: 31,794

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; REFERENCE/DOCKET NUMBER: MA20C2C1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 904-375-8100
; TELEFAX: 904-372-5800
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 803 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bacillus thuringiensis
; INDIVIDUAL ISOLATE: P663B
; IMMEDIATE SOURCE:
; CLONE: E. coli NM522(PMYC 1642) NRRL B-18961
; PCT-US92-03624-12

Query Match          0.4%; Score 7; DB 4; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 436 VKELKEA 442
DB 42 VKELKEA 48

RESULT 209
; US-09-248-796A-18641
; Sequence 18641, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 18641
; LENGTH: 811
; TYPE: PRT
; ORGANISM: Candida albicans
; US-09-248-796A-18641

Query Match          0.4%; Score 7; DB 2; Length 811;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 482 IVLSPAY 488
DB 198 IVLSPAY 204

RESULT 210
; US-09-949-016-8339
; Sequence 8339, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8339
; LENGTH: 823
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-8339

Query Match          0.4%; Score 7; DB 2; Length 823;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1126 TSSRIGL 1132
DB 129 TSSRIGL 135

RESULT 211
; US-09-489-039A-7893
; Sequence 7893, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7893
; LENGTH: 895
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-7893

Query Match          0.4%; Score 7; DB 2; Length 895;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
DB 269 ATDLVLT 275

RESULT 212
; US-09-543-681A-4485
; Sequence 4485, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4485
; LENGTH: 904
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-4485

Query Match          0.4%; Score 7; DB 2; Length 904;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 218 ATDLVLT 224  
Db 278 ATDLVLT 284

RESULT 213  
US-08-245-295-2  
; Sequence 2, Application US/08245295  
; Patent No. 5700658  
; GENERAL INFORMATION:  
; APPLICANT: Gallatin, W. Michael  
; APPLICANT: Kilgannon, Patrick D.  
; TITLE OF INVENTION: ICAM-4 Materials and Methods  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 233 South Wacker Drive, Suite 6300  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States of America  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Releasee #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/245,295  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/827,689  
; FILING DATE: 27-JAN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/889,724  
; FILING DATE: 26-MAY-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/894,061  
; FILING DATE: 05-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/009,266  
; FILING DATE: 22-JAN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/102,852  
; FILING DATE: 05-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Borun, Michael F.  
; REGISTRATION NUMBER: 25,447  
; REFERENCE/DOCKET INFORMATION:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 312-474-6300  
; TELEFAX: 312-474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ. ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 917 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-245-295-2

Query Match 0.4%; Score 7; DB 1; Length 917;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVLT 1124  
Db 25 GISAVLT 31

RESULT 214  
US-08-481-130-2

; Sequence 2, Application US/08481130  
; Patent No. 5702917  
; GENERAL INFORMATION:  
; APPLICANT: Gallatin, W. Michael  
; APPLICANT: Kilgannon, Patrick D.  
; TITLE OF INVENTION: ICAM-4 Materials and Methods  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 233 South Wacker Drive, 6300 Sears Tower  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States of America  
; ZIP: 60606-6402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Releasee #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/481,130  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/827,689  
; FILING DATE: 27-JAN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/889,724  
; FILING DATE: 26-MAY-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/894,061  
; FILING DATE: 05-JUN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/009,266  
; FILING DATE: 22-JAN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/102,852  
; FILING DATE: 05-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/245,295  
; FILING DATE: 18-MAY-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: WILLIAMS, JR. JOSEPH A.  
; REGISTRATION NUMBER: 38,659  
; REFERENCE/DOCKET INFORMATION:  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 312-474-6300  
; TELEFAX: 312-474-0448  
; TELEX: 25-3856  
; INFORMATION FOR SEQ. ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 917 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-481-130-2

Query Match 0.4%; Score 7; DB 1; Length 917;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVLT 1124  
Db 25 GISAVLT 31

RESULT 215  
US-08-656-984A-2  
; Sequence 2, Application US/08656984A  
; Patent No. 5753502  
; GENERAL INFORMATION:  
; APPLICANT: Gallatin, W. Michael  
; APPLICANT: Kilgannon, Patrick D.

```

; TITLE OF INVENTION: ICAM-4 Materials and Methods
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/656,984A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,295
; FILING DATE: 18-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,604
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAMS, JR. JOSEPH A.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 27866/33321
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-656-984A-2.

Query Match      0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1118 GISAVL 1124
DB      25 GISAVL 31

RESULT 216
US-08-485-604-2
; Sequence 2, Application US/08485604
; Patent No. 5773293
; GENERAL INFORMATION:
; APPLICANT: WP, W. Michael
; ADDRESSEE: Kilgannon, Patrick D.
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; NUMBER OF SEQUENCES: 32
```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,604
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/245,295
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WILLIAMS, JR. JOSEPH A.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 27866/32715
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-485-604-2

Query Match      0.4%; Score 7; DB 1; Length 917;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1118 GISAVL 1124
DB      25 GISAVL 31

RESULT 217
US-08-487-595-2
; Sequence 2, Application US/08487595
; Patent No. 5852170
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; ADDRESSEE: Kilgannon, Patrick D.
; STREET: 233 South Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; NUMBER OF SEQUENCES: 32
```

COUNTRY: United States of America  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/487,595  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/827,689  
FILING DATE: 27-JAN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/889,724  
FILING DATE: 26-MAY-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/894,061  
FILING DATE: 05-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/009,266  
FILING DATE: 22-JAN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/102,852  
FILING DATE: 05-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/245,295  
FILING DATE: 18-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: WILLIAMS, JR. JOSEPH A.  
REGISTRATION NUMBER: 38,659  
REFERENCE/DOCKET NUMBER: 27866/32714  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-474-6300  
TELEFAX: 312-474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ. ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 917 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-487-595-2

Query Match 0.4%; Score 7; DB 1; Length 917;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1118 GISAVAL 1124  
DB 25 GISAVAL 31

RESULT 218  
US-09-328-352-7922  
Sequence 7922, Application US/09328352  
Patent No. 6562958  
GENERAL INFORMATION:  
APPLICANT: Gary L. Breton et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
FILE REFERENCE: CTC99-03PA  
CURRENT APPLICATION NUMBER: US/09/328,352  
FILING DATE: 1999-06-04  
NUMBER OF SEQ ID NOS: 8252  
SEQ ID NO 7922  
LENGTH: 927  
TYPE: prt  
ORGANISM: Acinetobacter baumannii  
US-09-328-352-7922

Query Match 0.4%; Score 7; DB 2; Length 927;

Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224  
DB 276 ATDLVLT 282

RESULT 219  
US-09-171-937C-40  
Sequence 40, Application US/09171937C  
Patent No. 6833490  
GENERAL INFORMATION:  
APPLICANT: GODDUN, Oscar Johannes Maria  
PEN, Jan  
SMEKENS, Josephus Christiaan M.  
TITLE OF INVENTION: Regulating metabolism by modifying the  
level of trehalose-6-phosphate  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LADAS & PARRY  
STREET: 26 WEST 61 STREET  
CITY: NEW YORK  
STATE: NY  
COUNTRY: USA  
ZIP: 10023  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/171,937C  
FILING DATE: 28-Apr-1999  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP97/02497  
FILING DATE: 02-MAY-1997  
APPLICATION NUMBER: EP 96.201.225.8  
FILING DATE: 03-MAY-1996  
APPLICATION NUMBER: EP 96.202.128.3  
FILING DATE: 26-JUL-1996  
APPLICATION NUMBER: EP 96.202.395.8  
FILING DATE: 29-AUG-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: MASS, Clifford J.  
REGISTRATION NUMBER: 30,086  
REFERENCE/DOCKET NUMBER: U-011967-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 708-1890  
TELEFAX: (212) - 246-8959  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 942 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 40:  
US-09-171-937C-40

Query Match 0.4%; Score 7; DB 2; Length 942;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1073 GSNHSLG 1079  
DB 878 GSNHSLG 884

RESULT 220  
US-09-438-185A-447  
Sequence 447, Application US/09438185A  
Patent No. 6822071



```

; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kaiman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 447
; LENGTH: 947
; TYPE: PRF
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; OTHER INFORMATION: Cpn0445
; US-09-438-185A-447

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 947;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1162 SCPSLL 1168
Db 143 SCPSLL 149

RESULT 221
; US-09-252-991A-16798
; Sequence 16798, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16798
; LENGTH: 981
; TYPE: PRF
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-16798

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 981;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 ATDLVLT 224
Db 335 ATDLVLT 341

RESULT 222
; US-09-543-681A-4447
; Sequence 4447, Application US/09543681A
; Patent No. 6605708
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
```

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; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4447
; LENGTH: 1019
; TYPE: PRF
; ORGANISM: Proteus mirabilis
; US-09-543-681A-4447

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 1019;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 197 STALPOS 203
Db 923 STALPOS 929

RESULT 223
; US-09-369-364A-17
; Sequence 17, Application US/09369364A
; Patent No. 6391610
; GENERAL INFORMATION:
; APPLICANT: Apte, Suneel
; APPLICANT: Hurskainen, Tiina L.
; APPLICANT: Hirokata, Satoshi
; TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
; FILE REFERENCE: 26473/4007/10-30-00
; CURRENT APPLICATION NUMBER: US/09/369,364A
; CURRENT FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 1081
; TYPE: PRF
; ORGANISM: Homo sapiens ADAMTS-10
; US-09-369-364A-17

Query Match
Best Local Similarity 100.0%; Score 7; DB 2; Length 1081;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LHRVVL 350
Db 941 LHRVVL 947

RESULT 224
; US-09-981-953A-4
; Sequence 4, Application US/09981953A
; Patent No. 6689599
; GENERAL INFORMATION:
; APPLICANT: RACIE, LISA A.
; APPLICANT: TWINE, NATALIE C.
; APPLICANT: AGOSTINO, MICHAEL J.
; APPLICANT: WOLFMAN, NEIL
; APPLICANT: MORRIS, ELISABETH A.
; TITLE OF INVENTION: NOVEL AGGREGANASE MOLECULES
; FILE REFERENCE: 08702.0075-00000
; CURRENT APPLICATION NUMBER: US/09/981,953A
; CURRENT FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/242,317
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1104
; TYPE: PRF
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Amino acid
```

OTHER INFORMATION: sequence of the aggreganase molecule  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (1104)  
OTHER INFORMATION: Any amino acid  
US-09-981-953A-4

Query Match 0.4%; Score 7; DB 2; Length 1104;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 344 LRRHVL 350  
DB 964 LRRHVL 970

RESULT 225  
US-09-949-016-8227  
Sequence 8227, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
PRIOR FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 8227  
LENGTH: 1105  
TYPE: PRT  
ORGANISM: Human  
US-09-949-016-8227

Query Match 0.4%; Score 7; DB 2; Length 1105;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 609 KPTPIPI 615  
DB 356 KPTPIPI 362

RESULT 226  
US-09-949-016-6148  
Sequence 6148, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
PRIOR FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 6148  
LENGTH: 1117  
TYPE: PRT  
ORGANISM: Human

US-09-949-016-6148

Query Match 0.4%; Score 7; DB 2; Length 1117;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 609 KPTPIPI 615  
DB 368 KPTPIPI 374

RESULT 227  
US-09-862-027-78  
Sequence 78, Application US/09862027  
Patent No. 6658418  
GENERAL INFORMATION:  
APPLICANT: Hodge, Martin R.  
TITLE OF INVENTION: No. 6858418e1 Kinases and Uses Thereof  
FILE REFERENCE: 35800/234862  
CURRENT APPLICATION NUMBER: US/09/862,027  
PRIOR FILING DATE: 2001-05-21  
PRIOR APPLICATION NUMBER: US 09/345,473  
PRIOR FILING DATE: 1999-06-30  
NUMBER OF SEQ ID NOS: 82  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 78  
LENGTH: 1237  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-862-027-78

Query Match 0.4%; Score 7; DB 2; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 867 GEASPPL 873  
DB 427 GEASPPL 433

RESULT 228  
US-09-252-991A-17290  
Sequence 17290, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
PRIOR FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 17290  
LENGTH: 1257  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17290

Query Match 0.4%; Score 7; DB 2; Length 1257;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 501 EYGHVIG 507  
DB 526 EYGHVIG 532

RESULT 229  
US-09-328-352-6314

```
; Sequence 6314, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6314:
; LENGTH: 1294;
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6314

Query Match      0.4%; Score 7; DB 2; Length 1394;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      416 VADVRLT 422
      |||||
      818 VADVRLT 824

RESULT 230
US-09-489-039A-13449
; Sequence 13449, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13449
; LENGTH: 1304
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13449

Query Match      0.4%; Score 7; DB 2; Length 1304;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      43 PEVLAEI 49
      |||||
      1196 PEVLAEI 1202

RESULT 231
US-09-540-245A-15
; Sequence 15, Application US/09540245A
; Patent No. 6270984
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,245A
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
```

```
; SEQ ID NO 15
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-540-245A-15

Query Match      0.4%; Score 7; DB 2; Length 1395;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1105 TTSVLIN 1111
      |||||
      825 TTSVLIN 831

RESULT 232
US-10-289-776-15
; Sequence 15, Application US/10289776
; Patent No. 6861228
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/10/289,776
; CURRENT FILING DATE: 2002-11-06
; PRIOR APPLICATION NUMBER: US/09/540,245
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 15
; LENGTH: 1395
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-289-776-15

Query Match      0.4%; Score 7; DB 2; Length 1395;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1105 TTSVLIN 1111
      |||||
      825 TTSVLIN 831

RESULT 233
US-09-695-795A-2
; Sequence 2, Application US/09695795A
; Patent No. 6808893
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: ROTHSTEIN, Jeffrey D.
; APPLICANT: JACKSON, Mandy
; APPLICANT: LIN, Glen
; APPLICANT: LAW, Robert
; APPLICANT: ORLOV, Irina
; TITLE OF INVENTION: GLUTAMATE TRANSPORTER ASSOCIATED PROTEINS AND METHODS OF USE THERE
; FILE REFERENCE: JHU1650-2
; CURRENT APPLICATION NUMBER: US/09/695,795A
; CURRENT FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: US 60/161,007
; PRIOR FILING DATE: 1999-10-23
; PRIOR APPLICATION NUMBER: US 60/206,157
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 2
```

LENGTH: 2388  
TYPE: PRT  
ORGANISM: Rattus  
US-09-695-795A-2

Query Match 0.4%; Score 7; DB 2; Length 2388;  
Best Local Similarity 100.0%; Pred. No. 2.8e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 RRRLL 41  
|||||  
DB 523 RRRLL 529

## RESULT 234

US-09-911-842A-4  
Sequence 4, Application US/0911842A  
Patent No. 6656707  
GENERAL INFORMATION:  
APPLICANT: Amgen Inc.  
TITLE OF INVENTION: C3B/C4B COMPLEMENT RECEPTOR-LIKE MOLECULES AND USES THEREOF  
FILE REFERENCE: 01017/37592  
CURRENT APPLICATION NUMBER: US/09/911,842A  
CURRENT FILING DATE: 2001-07-24  
PRIOR APPLICATION NUMBER: US 60/222,438  
PRIOR FILING DATE: 2000-08-01  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 4  
LENGTH: 3594  
TYPE: PRT  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1757)..()  
OTHER INFORMATION: Xaa = any or unknown amino acid  
US-09-911-842A-4

Query Match 0.4%; Score 7; DB 2; Length 3594;  
Best Local Similarity 100.0%; Pred. No. 4.1e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 SCIPVC 1362  
|||||  
DB 3258 SCIPVC 3264

## RESULT 235

US-09-410-551B-72  
Sequence 72, Application US/09410551B  
Patent No. 6503737  
GENERAL INFORMATION:  
APPLICANT: KOSAN BIOSCIENCES, Inc.  
APPLICANT: REEVES, CHRISTOPHER  
APPLICANT: CHU, DANIEL  
APPLICANT: KHOSLA, CHAITAN  
APPLICANT: SANTI, DANIEL  
APPLICANT: WU, KAI  
TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA  
TITLE OF INVENTION: CONSTRUCTS THEREFOR  
FILE REFERENCE: 30062-20026.00  
CURRENT APPLICATION NUMBER: US/09/410,551B  
CURRENT FILING DATE: 1999-10-01  
PRIOR APPLICATION NUMBER: US 60/139,650  
PRIOR FILING DATE: 1999-06-17  
PRIOR APPLICATION NUMBER: US 60/123,810  
PRIOR FILING DATE: 1999-03-11  
PRIOR APPLICATION NUMBER: US 60/102,748  
PRIOR FILING DATE: 1998-10-02  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 72  
LENGTH: 6396

TYPE: PRT  
ORGANISM: Streptomyces hygroscopicus  
US-09-410-551B-72

Query Match 0.4%; Score 7; DB 2; Length 6396;  
Best Local Similarity 100.0%; Pred. No. 6.9e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1436 OGYGIGA 1442  
|||||  
DB 142 OGYGIGA 148

## RESULT 236

US-09-940-316B-72  
Sequence 72, Application US/09940316B  
Patent No. 6759536  
GENERAL INFORMATION:  
APPLICANT: KOSAN BIOSCIENCES, Inc.  
APPLICANT: REEVES, CHRISTOPHER  
APPLICANT: CHU, DANIEL  
APPLICANT: KHOSLA, CHAITAN  
APPLICANT: SANTI, DANIEL  
APPLICANT: WU, KAI  
TITLE OF INVENTION: POLYKETIDES ENCODING THE fkbA GENE OF THE FK-520 POLYKETIDE SYNTHASE  
FILE REFERENCE: 30062-20026.11  
CURRENT APPLICATION NUMBER: US/09/940,316B  
CURRENT FILING DATE: 2001-08-27  
PRIOR APPLICATION NUMBER: 09/410,551  
PRIOR FILING DATE: 1999-10-01  
PRIOR APPLICATION NUMBER: US 60/139,650  
PRIOR FILING DATE: 1999-06-17  
PRIOR APPLICATION NUMBER: US 60/123,810  
PRIOR FILING DATE: 1999-03-11  
PRIOR APPLICATION NUMBER: US 60/102,748  
PRIOR FILING DATE: 1998-10-02  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 72  
LENGTH: 6396  
TYPE: PRT  
ORGANISM: Streptomyces hygroscopicus  
US-09-940-316B-72

Query Match 0.4%; Score 7; DB 2; Length 6396;  
Best Local Similarity 100.0%; Pred. No. 6.9e+03;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1436 OGYGIGA 1442  
|||||  
DB 142 OGYGIGA 148

## RESULT 237

US-08-188-223-9  
Sequence 9, Application US/08188223  
Patent No. 5688506  
GENERAL INFORMATION:  
APPLICANT: Grimes, Stephen  
APPLICANT: Sciablenki, Robert  
TITLE OF INVENTION: Immunogens Against Gonadotropin  
TITLE OF INVENTION: Releasing Hormone  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Dimitrios T. Drivas, Esq.  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2787  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/188,223  
FILING DATE: 27-JAN-1994  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Drivas Esq., Dimitrios T.  
REGISTRATION NUMBER: 32,218  
REFERENCE/DOCKET NUMBER: 1102865-300  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-819-8286  
TELEFAX: 212-354-8113  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: YES  
FRAGMENT TYPE: N-terminal  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /note= "spacer"  
US-08-188-223-9

Query Match 0.4%; Score 6; DB 1; Length 7;  
Best local Similarity 100.0%; Pred. No. 4.6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPEPPS 1425  
Db 1 CPEPPS 6

RESULT 238  
US-08-968-466-9  
Sequence 9, Application US/08968466  
Patent No. 6132720  
GENERAL INFORMATION:  
APPLICANT: Grimes, Stephen  
APPLICANT: Scibienski, Robert  
TITLE OF INVENTION: Immunogens Against Gonadotropin  
TITLE OF INVENTION: Releasing Hormone  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dimitrios T. Drivas, Esq.  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2787  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/968,466  
FILING DATE: 27-JAN-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Drivas Esq., Dimitrios T.  
REGISTRATION NUMBER: 32,218  
REFERENCE/DOCKET NUMBER: 1102865-300  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-819-8286  
TELEFAX: 212-354-8113  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: YES  
FRAGMENT TYPE: N-terminal  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /note= "spacer"  
US-08-968-466-9

Query Match 0.4%; Score 6; DB 2; Length 7;  
Best local Similarity 100.0%; Pred. No. 4.6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPEPPS 1425  
Db 1 CPEPPS 6

RESULT 239  
US-08-478-546B-9  
Sequence 9, Application US/08478546B  
Patent No. 6303123  
GENERAL INFORMATION:  
APPLICANT: Grimes, Stephen  
APPLICANT: Scibienski, Robert  
TITLE OF INVENTION: Methods for the Treatment of Hormone-Dependent  
TITLE OF INVENTION: Tumors with Immunogens against Gonadotropin Releasing Hormone  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dimitrios T. Drivas, Esq.  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2787  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/478,546B  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/188,223  
FILING DATE: 27-JAN-1994  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Drivas Esq., Dimitrios T.  
REGISTRATION NUMBER: 32,218  
REFERENCE/DOCKET NUMBER: 1102865-300  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-819-8286  
TELEFAX: 212-354-8113  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: N-terminal  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /note= "spacer"  
US-08-478-546B-9

Query Match 0.4%; Score 6; DB 2; Length 7;  
Best local Similarity 100.0%; Pred. No. 4.6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1420 CPPPS 1425  
|||||  
Db 1 CPPPS 6

RESULT 240  
US-08-925-002-60  
; Sequence 60, Application US/08925002  
; Patent No. 6048527  
; GENERAL INFORMATION:  
; APPLICANT: Granoff, Dan M.  
; APPLICANT: Moe, Gregory R.  
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE  
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE  
; TITLE OF INVENTION: COMPOSITIONS  
; FILE REFERENCE: 1238.002  
; CURRENT APPLICATION NUMBER: US/08/925,002  
; CURRENT FILING DATE: 1997-08-27  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO: 60  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: sequence from  
US-08-925-002-60

Query Match  
Best Local Similarity 100.0%; Score 6; DB 2; Length 10;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 813 SGRPV 818  
|||||  
Db 3 SGRPV 8

RESULT 241  
US-08-847-844A-72  
; Sequence 72, Application US/08847844A  
; Patent No. 6150160  
; GENERAL INFORMATION:  
; APPLICANT: KAZAZIAN JR., HAIG H.  
; APPLICANT: BOEKE, JEFF D.  
; APPLICANT: MORAN, JOHN V.  
; APPLICANT: DOMBROSKI, BETH A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE OF  
; TITLE OF INVENTION: MAMMALIAN RETROTRANSPOSONS  
; NUMBER OF SEQUENCES: 137  
; CORRESPONDENCE ADDRESS:  
; ADDRESSES: PANITCH SCHWARZE JACOBS & NADEL, P.C.  
; STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND FL.  
; CITY: PHILADELPHIA  
; STATE: PA  
; COUNTRY: U.S.A.  
; ZIP: 19103-7086  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentln Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/847,844A  
; FILING DATE: 28-APR-1997  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/749,805  
; FILING DATE: 16-NOV-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/006,831  
; FILING DATE: 16-NOV-1995

ATTORNEY/AGENT INFORMATION:  
; NAME: DOYLE LEARY Ph.D., KATHRYN  
; REGISTRATION NUMBER: 36,317  
; REFERENCE/DOCKET NUMBER: 9596-2302  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-567-2020  
; TELEFAX: 215-567-2991  
; INFORMATION FOR SEQ ID NO: 72:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 10 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-847-844A-72

Query Match  
Best Local Similarity 100.0%; Score 6; DB 2; Length 10;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 799 DALIT 804  
|||||  
Db 2 DALIT 7

RESULT 242  
US-09-910-552-60  
; Sequence 60, Application US/09910552  
; Patent No. 6642354  
; GENERAL INFORMATION:  
; APPLICANT: Granoff, Dan M.  
; APPLICANT: Moe, Gregory R.  
; TITLE OF INVENTION: USE OF MONOCLONAL ANTIBODIES THAT DEFINE UNIQUE  
; TITLE OF INVENTION: MENINGOCOCCAL B EPITOPES IN THE PREPARATION OF VACCINE  
; TITLE OF INVENTION: COMPOSITIONS  
; FILE REFERENCE: 1238.002  
; CURRENT APPLICATION NUMBER: US/09/910,552  
; CURRENT FILING DATE: 2001-07-23  
; PRIOR APPLICATION NUMBER: 09/494,822  
; PRIOR FILING DATE: 2000-01-31  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO: 60  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: sequence from  
US-09-910-552-60

Query Match  
Best Local Similarity 100.0%; Score 6; DB 2; Length 10;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 813 SGRPV 818  
|||||  
Db 3 SGRPV 8

RESULT 243  
US-08-372-197-3  
; Sequence 3, Application US/08372197  
; Patent No. 5840513  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Antibody for the detection of Salmonellae  
; NUMBER OF SEQUENCES: 8  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentln Release #1.0, Version #1.30 (EPO)

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/372.197
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 44 00 990
; FILING DATE: 14-JAN-1994
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Salmonella
;
US-08-372-197-3

Query Match      0.4%; Score 6; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      641 DRSGS 646
DB      2 DRSGS 7

RESULT 244
US-09-053-611-21.
; Sequence 21, Application US/09053611
; Patent No. 6410245
; GENERAL INFORMATION:
; APPLICANT: No. 6410245throp, Jeffrey P.
; APPLICANT: Hart, Charles P.
; APPLICANT: Schatz, Peter J.
; APPLICANT: Glaxo Group Limited
; TITLE OF INVENTION: Compositions and Methods for Detecting Ligand Dependent
; TITLE OF INVENTION: Nuclear Receptor and Coactivator Interactions
; FILE REFERENCE: 2064
; CURRENT APPLICATION NUMBER: US/09/053.611
; CURRENT FILING DATE: 1998-04-01
; NUMBER OF SEQ. ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: LacI-fused
; OTHER INFORMATION: peptide from random 15mer library
US-09-053-611-21

Query Match      0.4%; Score 6; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      754 LLENKE 759
DB      8 LLENKE 13

RESULT 245
US-10-153-334-37
; Sequence 37, Application US/10153334
; Patent No. 6924266
; GENERAL INFORMATION:
; APPLICANT: AVERACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
```

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; CURRENT APPLICATION NUMBER: US/10/153.334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293.156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-153-334-37

Query Match      0.4%; Score 6; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1162 SCPSIL 1167
DB      2 SCPSIL 7

RESULT 246
PCT-US93-06751-135
; Sequence 135, Application PC/TUS9306751
; GENERAL INFORMATION:
; APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold
; TITLE OF INVENTION: Immunological Conjugates of OMPC and
; TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GxG Epitopes
; NUMBER OF SEQUENCES: 146
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06751
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 18614
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-4678
; TELEFAX: (908) 594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: YES
; ANTI-SENSE: NO
; IMMEDIATE SOURCE: consensus peptide of seq. Id. Nos. 59-89
; IMMEDIATE SOURCE: without Cys constraints.
PCT-US93-06751-135

Query Match      0.4%; Score 6; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      760 SVHLGP 765
DB      2 SVHLGP 7
```

RESULT 247  
PCT-US93-06751-144  
Sequence 144, Application PC/TUS9306751  
GENERAL INFORMATION:  
APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold  
TITLE OF INVENTION: Immunological Conjugates of OMPC and  
TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes  
NUMBER OF SEQUENCES: 146  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/06751  
FILING DATE: 19930719  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Meredith, Roy D.  
REGISTRATION NUMBER: 30,777  
REFERENCE/DOCKET NUMBER: 18614  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-4678  
TELEFAX: (908) 594-4720  
TELEX: 138825  
INFORMATION FOR SEQ ID NO: 144:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
MOLECULE TYPE: linear  
TOPOLOGY: linear  
HYPOTHETICAL: YES  
MOLCULE TYPE: peptide  
ANTI-SENSE: NO  
IMMEDIATE SOURCE: modified consensus peptide  
PCT-US93-06751-144

Query Match  
Best Local Similarity 100.0%; Score 6; DB 4; Length 14;  
Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 760 SVHLGP 765  
Db 3 SVHLGP 8

RESULT 248  
US-09-140-201-14  
Sequence 14, Application US/09140201  
Patent No. 6372425  
GENERAL INFORMATION:  
APPLICANT: KELLER, P.  
TITLE OF INVENTION: LARGE SCALE AFFINITY CHROMATOGRAPHY OF  
TITLE OF INVENTION: MACROMOLECULES  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: JACK TRIBBLE  
STREET: P.O. BOX 2000, 126 E. LINCOLN AVENUE  
CITY: RAHWAY  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/140,201  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/329,749  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: TRIBBLE, JACK  
REGISTRATION NUMBER: 32,633  
REFERENCE/DOCKET NUMBER: 18780  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-5321  
TELEFAX: (908) 594-4720  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-140-201-14

Query Match  
Best Local Similarity 100.0%; Score 6; DB 2; Length 15;  
Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 760 SVHLGP 765  
Db 6 SVHLGP 11

RESULT 249  
US-09-563-222C-63  
Sequence 63, Application US/09563222C  
Patent No. 6696620  
GENERAL INFORMATION:  
APPLICANT: EPICYTE PHARMACEUTICALS, INC.  
APPLICANT: HIATT, ANDREW C.  
APPLICANT: HEIN, MICHAEL B.  
TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN PLANT CELLS  
FILE REFERENCE: 066904-0501  
CURRENT APPLICATION NUMBER: US/09/563,222C  
CURRENT FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: PCT/US01/14349  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/563,222  
PRIOR FILING DATE: 2000-05-02  
NUMBER OF SEQ ID NOS: 182  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 63  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-563-222C-63

Query Match  
Best Local Similarity 100.0%; Score 6; DB 2; Length 15;  
Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 929 EBDGIC 934  
Db 9 EBDGIC 14

RESULT 250  
PCT-US93-06751-87  
Sequence 87, Application PC/TUS9306751  
GENERAL INFORMATION:  
APPLICANT: P. Keller, A. J. Conley, A.R. Shaw, B.A. Arnold



TITLE OF INVENTION: Immunological Conjugates of OMPC and  
TITLE OF INVENTION: HIV-Specific Selected Principal Neutralization GXG Epitopes  
NUMBER OF SEQUENCES: 146  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/06751  
FILING DATE: 19930719  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Meredith, Roy D.  
REGISTRATION NUMBER: 30,777  
REFERENCE/DOCKET NUMBER: 18614  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-4678  
TELEFAX: (908) 594-4720  
TELEX: 138825  
INFORMATION FOR SEQ ID NO: 87:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 15 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULAR TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
IMMEDIATE SOURCE: Random Epitope Library Beta  
PCT-US93-06751-87

Query Match 0.4%; Score 6; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 760 SVHGP 765  
Db 6 SVHGP 11

Search completed: January 30, 2006, 15:32:15  
Job time : 42 secs

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